

Snap-on

Blue-Point

MOTOR TOOL SPECIALTY CO.

*Exclusive
Distributors of*

HIGH - GRADE
MECHANICS'
HAND TOOLS



CHICAGO

with
Branches
Everywhere

CATALOG "H"

ISSUED

January 31st, 1931

(Supersedes all previous Catalogs)

Address Chicago Branch

MOTOR TOOL SPECIALTY CO.

2025 Michigan Avenue

Tel. Calumet 0651

**A NATIONAL TOOL SERVICE
FACTORY • TO BRANCH • TO YOU**

Copyright 1931
Motor Tool Specialty Co.
Printed in U.S.A.

Many New Tools

Many New Improvements

In Snap-On—Blue-Point Lines for 1931

WHEN you turn out an especially good job you get a lot of satisfaction out of it, over and above the money you make on it. You like to explain the job to your customer, because you know he will be pleased and have more confidence in you. In the same way, we take great satisfaction in telling you why the Snap-On—Blue-Point tools in this year's catalog are better than ever before.

You will notice their much more handsome appearance, with a new rust-proof cadmium plated finish. Many important improvements in design make them more efficient and easier to use. But the things you cannot see are their greater strength and lasting qualities. These things will show up when you begin using them.

Better steel is employed. By careful analysis and the application of various tests we check all materials ourselves and insure only the finest going into every tool. In our new heat treating department we are able to secure uniform and full heat treatment, oil quenching and tempering, which is the backbone of Snap-On—Blue-Point quality. Through the better facilities afforded in our new factory, with its new and modern equipment, we are able to offer all of these many improvements in Snap-On—Blue-Point Tools for 1931. The tools will speak for themselves.

ALL PRICES ARE NET TO THE TRADE
(Subject to change without notice)

OUR GUARANTEE

If "Snap-On" or "Blue-Point" tools become unserviceable, due to breakage or any other cause resulting from defects in workmanship or material, and not caused by abuse, replacement of the tool without cost will be made at once by our nearest branch, our factory or our representative who calls on you.

Our guarantee always has been and always will continue to be faithfully and strictly lived-up-to. Fairness in this respect has won for us many friends. Our salesmen deal directly with you at regular intervals and when any tool is offered for adjustment, settlement is promptly made on a basis of our fair dealing with you and your fair dealing with us.

SNAP-ON TOOLS, Inc., MANUFACTURERS
Kenosha, Wis.

*(A Consolidation of
Snap-On Wrench Company and Blue-Point Tool Co.)*

Distributed Exclusively by

MOTOR TOOL SPECIALTY CO.
CHICAGO

*Twenty-Eight Branches — Over 350 Salesmen. See
List on Inside Back Cover.*

Look for the name **Snap-on** on handles and sockets

Reg. U. S. Pat. Off.



"What's new, Snap-On?" Mechanics ask this question every day. Here's our answer. Let's have a new socket set with some pep and kick to it! Yes, sir—here she is—color, snap, speed n' everything—Whoopée—e—e!

To see it is to want it and to want it is to buy it. Let's cheer up—speed up—have more fun and make more money. Let the Whoopée Set start the day right for you. Cheer up your work bench with this red-lettered box and get a smile on the old face.

It's a brand new combination of handles and sockets not found in any other socket set—



15 Tools in All

The new Nut Spinner Speeder, No. 4-S, at	\$2.75
The new reversible Ratchet, No. 71, at	3.50
A 15" Sliding Tee for extra long leverage, S-15, at	1.20
Two Extension Bars of improved design, 6" and 10" lengths, S-6 at 75c and S-12 at 80c	1.55
Ten thin, straight wall sockets for easy work in tight places	4.95

Full descriptions of these tools on pages 20, 22, 23 and 26

No. 1931 Whoopée Set—Tools only. Net	\$13.95
No. 1931-B—The Set in strong, blue metal box, with red lettering. Net	14.95

An Entirely New Set of Socket Wrenches

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

Midget Wrench Set

Trade Mark

MAKES easy work of tricky carburetor and ignition jobs. Great also for all small electrical bench work—and for radio you can't afford to be without this set of Midget size Snap-Ons. Gives you socket wrench speed on numerous little nuts that are extremely annoying to work on unless you have the right tools. Very small handles, with double broached sockets of thin, straight wall design for easy operation in tightest places. Same quality and lustrous cadmium plated finish as the larger sizes of Snap-On wrenches.

Set Contains 10 Tools

- M-3**—Speeder Tee, swivel grip, 6" long. Each.....75c
M-5—Sliding Tee and Offset, 4 1/2" long. Each.....45c



Hexagon Sockets

Pat. Nos. 1,424,069 and 1,772,723

No.	Size	Each	No.	Size	Each
M-8	1/4"	\$0.15	M-11	11/32"	\$0.15
M-9	9/32"	.15	M-12	3/8"	.15
M-10	5/16"	.15	M-14	7/16"	.15

Square Sockets

Pat. No. 1,424,069

M-408	1/4"	\$0.15	M-410	5/16"	\$0.15
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No. 55—Snap-On Midget Set—Containing the above tools, complete in black enameled metal box. Net.....\$2.75

(Plenty of space in the box to accommodate additional Midget units shown below).

Midget Adaptor



M-1—Adapts Midget sockets to Ferret handles shown on pages 4 and 18. Each....35c

Midget Universal



MU-8—This universal joint will add greatly to the utility of the above set. Each \$1.50

Special Deep Midget Sockets

For Zenith Carburetor on Model "A" Ford

Adjustments of Zenith Carburetors on Model "A" Ford cars are easily and quickly made with these special sockets.

S-9012—5/16" opening, for main jet, all model "A". Each.....45c

S-9014—13/32" opening, for choke rod nut, Model "A". Each .45c (Prior to July 1929).



They are also adapted to other makes of carburetors and many other close quarter jobs requiring these sizes of special deep sockets.

S-9013—9/32" opening, for idling jet, all model "A". Each.....45c

S-9015—3/8" opening, for choke rod nut, Model "A". Each .45c (Since July 1929).

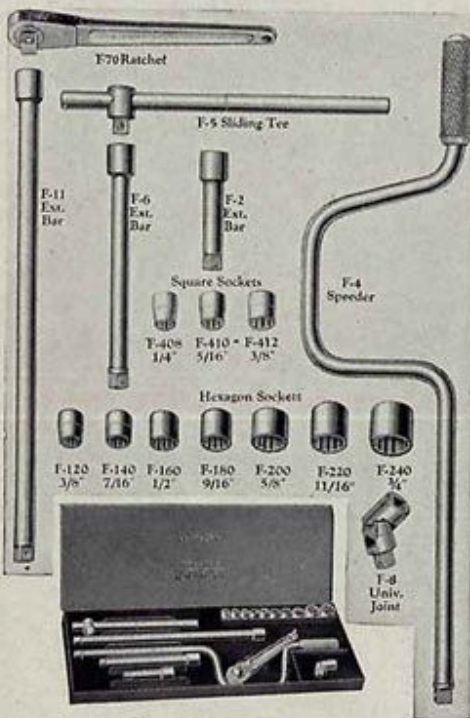
The Snap-On Line Keeps Growing Bigger and Better

No. 70 Snap-On Ferret Set

Trade name "Ferret" Reg. U. S. Pat. Off.

Made of Chrome Vanadium Tool Steel

USED—like the ferret—for going in after the hidden ones. Also—like the ferret—twice as strong as you'd expect such slender handles and shallow, thin walled sockets to be. We were the sole originators of this type of socket wrench and coined the name "Ferret," which exactly describes the efficiency of these tools in easing up and speeding up jobs in tight and hard-to-reach places. Ask Ferret users.



Set Contains 17 Units

F-70—Ratchet, 6" long. (Patent applied for.) \$2.85
F-5 Sliding Tee... .80
F-11 Extension, 12"... .70
F-6 Extension, 6"... .60
F-2 Extension, 3"... .45
F-4 Speeder... 1.10
F-8 Universal Joint... 1.50

Hexagon Sockets
Patent Nos. 1,424,069
1,772,726

F-120—3/8"... \$0.30
F-140—7/16"... .30
F-160—1/2"... .30
F-180—9/16"... .30
F-200—5/8"... .30
F-220—11/16"... .40
F-240—3/4"... .40

Square Sockets
Patent No. 1,424,069

F-408—1/4"... \$0.30 F-410—5/16"... \$0.30 F-412—3/8"... \$0.30

No. 70 Ferret Set—Containing the most popular wrenches of the Ferret line and the best selection to start with, complete in handy metal case, as illustrated. Net... \$12.50

Improved Ferret Ratchet

Patent Pending

The No. 70 Set contains our new and improved Ferret Ratchet, No. F-70. Its strength, simplicity and ease of operation will amaze you.

See pages 18, 19, 24 and 25 for additional Ferret Units.

There Is Always Something New in Snap-On

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

Ferret Nut Spinner Set

FOR the mechanic who wants a small set of Ferret wrenches that will cover the record number of service uses for its size, we recommend this remarkable little set.

Contains Ferret Nut Spinner Handle

Offset leverage to break nuts loose or tighten 'em up, a speeder tee to spin 'em, or an ell wrench for deep locations — all in one handle. (See pages 18 and 22). The hinged feature of this handle allows you to set the head at any desired angle for clearing obstructions—a big advantage.



8 Popular Sockets

The set contains five hexagon sockets, $\frac{3}{8}$ ", $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ " and $\frac{5}{8}$ " sizes, and the three square sockets shown in the No. 70 Set opposite—the most used sockets in the Ferret line.

No. 65 Ferret Nut Spinner Set—The handle and 8 sockets complete in handy metal box, a "darb" of a set. Net.....\$4.60

Master Nut Spinner Sets

Talk about a handy set of tools! Here it is. One of these new Nut Spinner sets will do more work for its size—and make those close-corner jobs easier for you—than any socket set you ever saw.

13 Tools—the Last Word in Design and Quality

Read about the Master Nut Spinner handles on page 22. An offset with plenty of leverage, a speeder tee or ell wrench—all in one handle. Then, twelve straight-walled, thin-walled, double-broached hexagon sockets described on page 26. Certainly gives you "lots of wrench" for little money.



No. 25 Nut Spinner Set—This set contains the No. 10 Nut Spinner handle, which has 15 inches of leverage when used as an offset, and a long speeder tee for going down deep and spinning 'em on or off. Sockets are the complete line of twelve famous straight, thin-walled design, Nos. SW-140 to SW-320 $\frac{1}{2}$ —giving you all sizes from $\frac{7}{16}$ " to 1" openings. Complete in metal box with sliding cover. Net.....\$9.50

No. 30 Nut Spinner Set—Containing the same sockets as the No. 25 Set, but with the No. 11 Nut Spinner handle, 10" long. In metal box. Net.....\$9.25

You Can Depend Upon An Authorized Snap-On Salesman

Look for the name **Snap-on** on handles and sockets

Reg. U. S. Pat. Off.

No. 97 Junior Service Set

Trade Mark

With Extra Thin, Straight Walled Sockets

JUST the set for the young fellow starting out as an apprentice. Contains the most necessary tools you at least ought to have to begin work.

Set

Contains
12 Units

K-4C—

Swivel Grip

Speeder...\$1.35

S-10—

Sliding Tee and

Offset...\$1.10

No. 71—

Ratchet...\$3.50

S-12—

Extension Bar,

10".....80c

Hexagon

Sockets

SW-140—

$\frac{7}{16}$ ".....45c

SW-160—

$\frac{1}{2}$ ".....45c

SW-180—

$\frac{9}{16}$ ".....45c

SW-200—

$\frac{5}{8}$ ".....50c

SW-220—

$\frac{11}{16}$ ".....50c

SW-240—

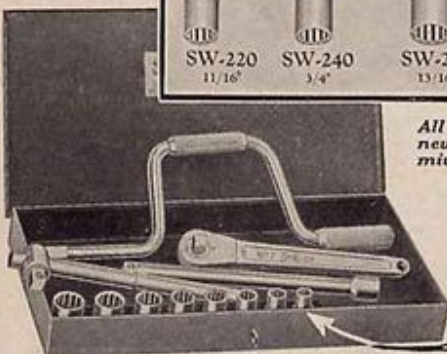
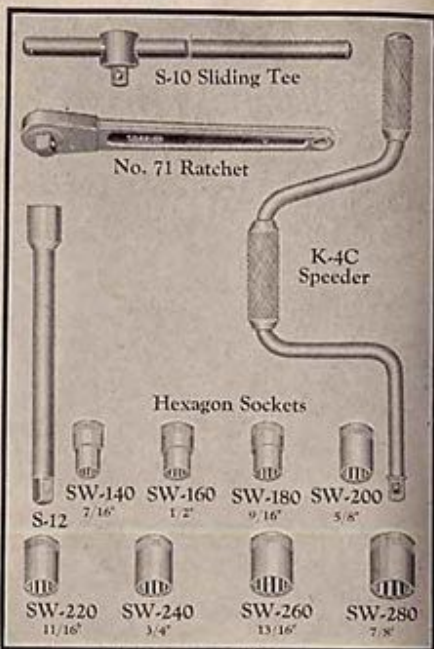
$\frac{3}{4}$ ".....50c

SW-260—

$\frac{13}{16}$ ".....55c

SW-280—

$\frac{7}{8}$ ".....55c



All tools have our
new lustrous cad-
mium plated finish.

Junior Set handles are the same high quality as in the larger sets, with the new Snap-On ratchet and new 1931 improvements on other tools. Sockets are the big favorites today with all expert mechanics—straight, thin wall design and double broached, for easy work in close places. Tools are interchangeable with all other Snap-On Master units, so that you can keep adding to the set as desired.

Compare this set, tool for tool, as to quality and design, with any other socket wrench outfit offered you at the same price.

No. 97—Junior Service Set—Tools only. Net.....\$10.70

No. 97-B—The Set in handy metal case. Net.....11.70

Snap-On Sockets Are Machined from Solid Bars of Steel

It is not a genuine Snap-on without the name
 Reg. U. S. Pat. Off.

No. 98 Junior Service Set

Trade Mark

With Standard Type Double Broached Sockets

Contains the same handles as the No. 97 Junior Set. If you prefer your set with these sockets the price is a little less. Same Snap-On quality, of course.



No. 98 Set—The 12 tools illustrated. Net.....\$10.05
 No. 98-B Set—The Set in strong metal case. Net. 11.05
 No. 99 Junior Service Set—All handles contained in the No. 97 Set, with the old reliable single broached hexagon sockets in the same sizes. Tools only. Net, \$10.05
 No. 99-B Set—The Set in black metal case. Net, 11.05

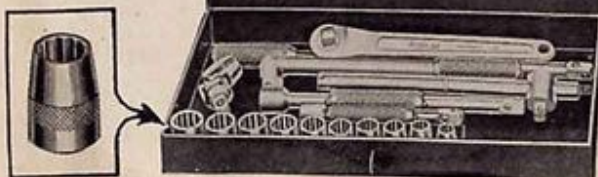


No. 104 Standard Service Set

Trade Mark

With Standard Type Double Broached Sockets

In this set you have 10 Master hexagon sockets of the standard, double broached design, all sizes from $\frac{3}{8}$ " to $\frac{1}{2}$ ", with additional handles as in the No. 103 Set on page 8.



No. 104 Set—The 17 tools illustrated. Net.....\$15.20
 No. 104-B Set—Same tools in metal case. Net... 16.20
 No. 105 Standard Service Set—All handles shown in the No. 103 Set, but with single broached hexagon sockets, of the type illustrated at right. Tools only. Net...\$15.20
 No. 105-B Set—Same tools in metal case. Net... 16.20



There Is Only One Genuine Snap-On

Look for the name **Snap-on** on handles and sockets
 Reg. U. S. Pat. Off.

No. 103 Standard Service Set

Trade Mark

With Extra Thin, Straight Walled Sockets

MADE up of the Snap-On handles and sockets we consider a necessity to the well-equipped mechanic.

Set
 Contains
 17 Units

No. 1—
 Offset
 \$1.10

S-10—
 Sliding
 Tee...\$1.10

No. 71—
 Ratchet
 \$3.50

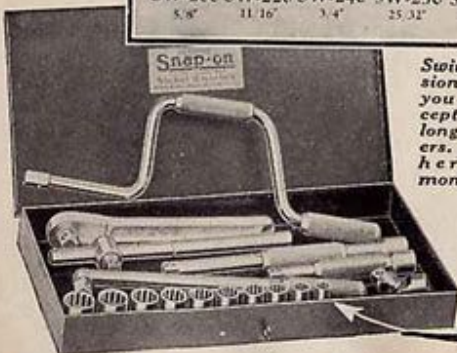
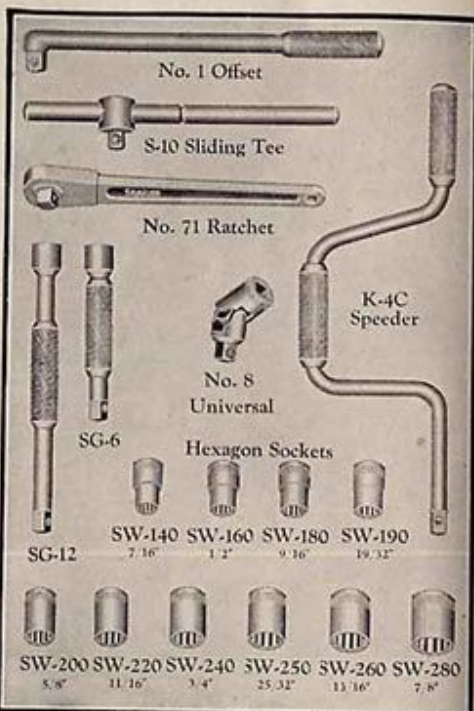
K-4C—
 Speeder
 15"...\$1.35

SG-6
 Extension
 6"...\$1.00

SG-12—
 Extension,
 10"...\$1.25

No. 8—
 Universal
 \$1.75

Ten
 Straight
 Wall Hexa-
 gon Sock-
 ets, $\frac{1}{8}$ " to
 $\frac{3}{8}$ " open-
 ings...\$4.95



Swivel grip extension bars enable you to hook up exceptionally handy long tees and speeders. Lots of tools here for little money.



These tools are the real backbone of the Snap-On line—including thin, straight wall, double broached sockets which make numerous jobs easier. An excellent outfit to work with until you can build it up with additional Snap-On extra convenience attachments.

No. 103 Standard Service Set—Tools only. Net.....\$16.00
 No. 103-B—The Set in strong metal case. Net.....17.00

Snap-On Always First with Important Improvements

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

No. 109 Master Service Set

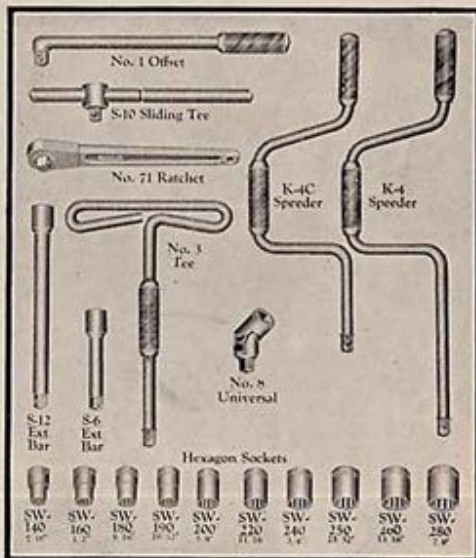
Trade Mark

With Extra Thin, Straight Walled Sockets

THE set upon which Snap-On reputation for quality and service is founded. Owned by well over a half million mechanics the world over.

Set Contains 19 Units

- No. 1—
Offset...\$1.10
- S-10—
Sliding
Tee...\$1.10
- No. 71—
Ratchet
\$3.50
- K-4—
Speeder,
19"....\$1.35
- K-4C—
Speeder,
15"....\$1.35
- No. 3—
Tee...\$1.15
- S-6—
Extension,
5".....75c
- S-12—
Extension,
10".....80c
- No. 8—
Universal
\$1.75
- Ten Straight
Wall Hexa-
gon Sockets,
1/8" to 7/8".
\$4.95



Right up-to-the-minute with thin, straight wall, double broached sockets—easier to use in tight places.



Our Master Set for 1931 is the same highly practical assortment of tools which has made it the choice of a host of mechanics, but the tools are now better. A new and stronger ratchet that's easier to use. (See page 20.) Improvements on tee, speeders and extensions. Straight wall sockets made stronger. Handsome new cadmium plated finish on all tools. An outfit you will be proud to own.

No. 109 Master Service Set—Tools only. Net.....\$17.80

No. 109-B—The Set in sturdy, carefully designed metal case which offers real protection to the tools. Net.....\$21.55

Snap-Ons Cost You Less in the Long Run

Look for the name Snap-on on handles and sockets
 Reg. U. S. Pat. Off.

No. 110 Master Service Set

Trade Mark

With Standard Type Double Broached Sockets

WE want you to know
 you can have your set
 made up with
 any type of
 sockets you
 prefer.



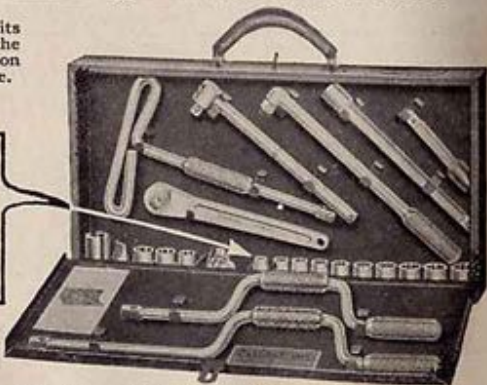
- No. 110 Set—The 19 tools illustrated. Net.....\$17.00
 No. 110-B—The Set in case. Net..... 20.75
 No. 111—Master Service Set—Same handles, but
 with standard single broached sockets. Tools only.
 Net.....\$17.00
 No. 111-B—The Set in case. Net..... 20.75



No. 114 Senior Service Set

With Standard Type Double Broached Sockets

All other units
 the same as the
 No. 113 Set on
 opposite page.



- No. 114 Set—The 25 tools illustrated. Net.....\$19.60
 No. 114-B—The set in metal case. Net..... 23.35
 No. 115—Senior Service Set—Same handles, but
 with standard single broached hexagon sockets. Tools
 only. Net.....\$19.60
 No. 115-B—The set in case. Net..... 23.35



All Prices Quoted Are Net to the Trade

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

No. 113 Senior Service Set

Trade Mark

With Extra Thin, Straight Walled Sockets

ALL of the efficiency of the Standard and Master Service Sets, plus more extra conveniences—a set that the older, experienced mechanics say is about perfection for general repair service.

Set Contains 25 Units

No. 1—Offset\$1.10 No. 71—Ratchet\$3.50
S-10—Sliding Tee 1.10 K-4—Speeder, 19" 1.35

K-4C—
Speeder,
15" ..\$1.35

No. 3—
Tee ..\$1.15

S-6—
Extension,
5"75c

S-12—
Extension,
10" ... 80c

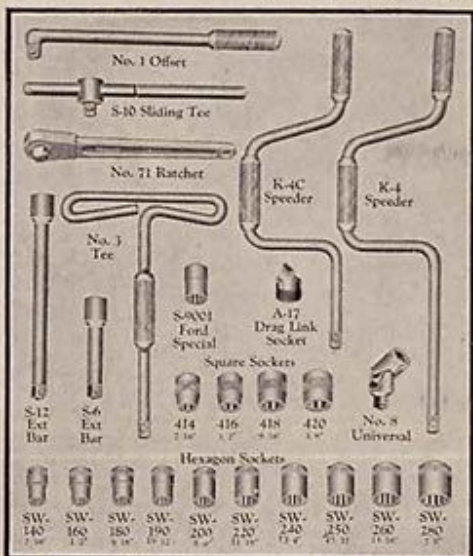
No. 8—
Universal
\$1.75

Ten
Straigh
Wall Hexa-
gon sockets
\$4.95

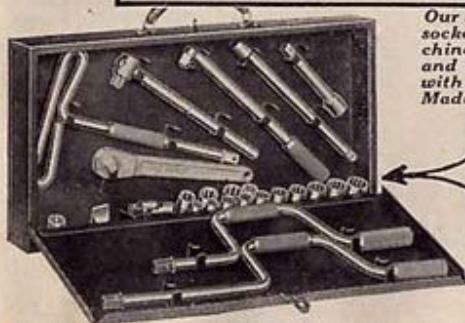
Four
Square
Sockets.
\$1.45

Drag Link
Socket .65c

S-9001—
Ford Con.
Rod Socket
50c



Our straight wall sockets are machined, broached and heat treated with utmost care. Made to last.



The four sizes of square sockets in this set are very handy for frame, body and main bearing work. The Drag Link and Ford Connecting Rod Sockets are also very popular units. Of course, other tools can be added as the need arises, but the Senior Set is right up to the minute and has made thousands of friends.

The metal case, 3"x10 1/2"x21", is an ideal container. Handsome black lacquer finish.

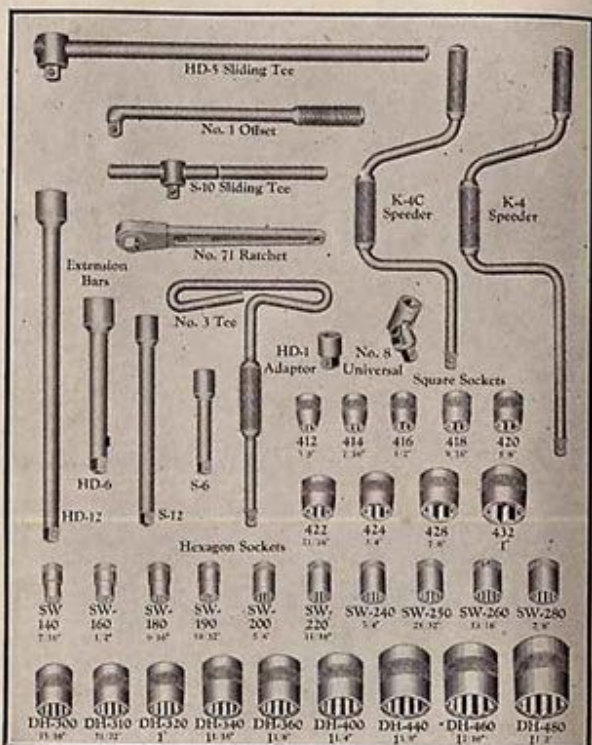
No. 113 Senior Service Set—Tools only. Net.....\$20.40
No. 113-B Set—The above tools in case. Net..... 24.15

Snap-On Gives You the Widest Range of Sockets

Super Service Set

Trade Mark

THIS set gives you the last word in socket wrench equipment—taking in the heavy duty range—with both hexagon and square sockets double broached, and the thin, straight wall design in Master hexagon sizes.



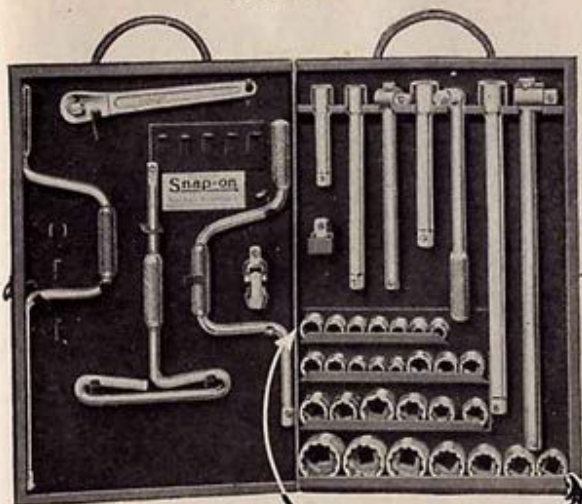
THE entire range of hexagon sockets to fit S. A. E. sizes from $\frac{1}{4}$ " to 1" thread diameter — U. S. S. nuts from $\frac{1}{4}$ " to $\frac{1}{8}$ " — U. S. S. cap screws from $\frac{1}{4}$ " to $1\frac{1}{4}$ " — square sizes from $\frac{3}{8}$ " to 1". Twenty-eight sockets, with every conceivable handle hook-up — actually several hundred wrench combinations that every good mechanic needs — at only a fraction of what they would cost in one-piece wrenches — and backed by the Snap-On guarantee and replacement service. The heavy metal cabinet makes just the carrying case needed for the set — designed so that all tools are within quick reach and can be easily checked against loss.

Buy the Super Service Set now if you can and be the best equipped mechanic in your shop.

It is not a genuine Snap-on without the name
 Reg. U. S. Pat. Off.

No. B-10 Super Service Set

Trade Mark



Contains 41 Units

A set of outstanding quality—with the very latest in sockets. It will be a big help to you in drawing down a healthier sized pay check each week.

HD-5 —Sliding Tee, 18".....	\$1.80
HD-6 —Extension, 8".....	1.25
HD-12—Extension, 16"....	1.55
No. 1 —Offset.....	1.10
S-10 —Sliding Tee.....	1.10
No. 71—Ratchet.....	3.50
K-4 —Speeder, 19".....	1.35
K-4-C—Speeder, 15".....	1.35
No. 3 —Long Tee.....	1.15
S-6 —Extension, 5".....	.75
S-12 —Extension, 10"....	.80
No. 8 —Universal.....	1.75
HD-1 —Adaptor.....	.50
10 Extra Thin Straight Walled Hexagon Sockets for Master Handles.....	\$ 4.95
9 Double Broached Square Sockets for Master Handles.....	3.80
9 Double Broached Heavy Duty Hexagon Sockets..	7.15
No. B-10 Super Service Set—Complete in specially designed metal cabinet. Net.....	40.10
Tools only, without cabinet. Net.....	33.85



No. B-11 Set

Same as the B-10 Set, except that the 10 Master hexagon sockets are the standard double broached type as illustrated at right. In cabinet. Net, \$39.30
 Tools only, without cabinet. Net, \$33.05



No. B-12 Set

Same as the B-10 Set, except that all hexagon sockets are the standard single broached type, as illustrated at left. In cabinet. Net, \$39.30
 Tools only, without cabinet. Net, \$33.05



When a New Job Requires a New Tool, We Make It for You

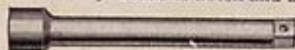
Heavy Duty Sets

For the Larger Nuts and Bolts

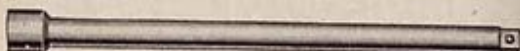
IN quality and design, just like the Master handles and sockets—in size much larger, giving you the advantage of Snap-On speed on the big stuff. Every garage mechanic needs a Snap-On Heavy Duty Set for certain jobs on pleasure cars, and especially for truck and tractor work. All units made of high carbon or alloy steels, scientifically heat treated. Lustrous cadmium plated finish.



HD-5 Improved Sliding Bar— $\frac{3}{4}$ " diameter round; spring backed ball inside of head holds head at any point on bar, head locks flush at end of bar by means of notch and ball stop, 18" length. Ea. \$1.80



HD-6 Extension Bar, 8" length. Each.....\$1.25



HD-12 Extension Bar, 16" length. Each.....\$1.55

Double Broached Hexagon Sockets

Patent No. 1,424,069



DH-300 $1\frac{1}{8}$ " 50c	DH-310 $1\frac{1}{4}$ " 50c	DH-320 1" 60c	DH-340 $1\frac{1}{4}$ " 65c	DH-360 $1\frac{1}{2}$ " 70c	DH-400 $1\frac{3}{4}$ " 85c	DH-440 $1\frac{3}{4}$ " \$1.05	DH-460 $1\frac{7}{8}$ " \$1.10
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See page 27 for additional $1\frac{1}{2}$ " double broached hexagon socket.
 See Socket Chart, pages 18 and 19, for all single broached Heavy Duty hexagon, as well as square, sockets.

No. 201—Heavy Duty Set—All above tools. Net. \$10.55
No. 201-B Set—The above set in metal case. Net. \$12.55
No. 202 Set—Same as No. 201 Set, except that sockets are single broached. Net. \$10.55
No. 202-B Set—Same set in metal case. Net. \$12.55



Patent Pending

HD-7 Ratchet—Length 18". Each.....\$7.00
HD-7A Extra plug for above ratchet. Each......80

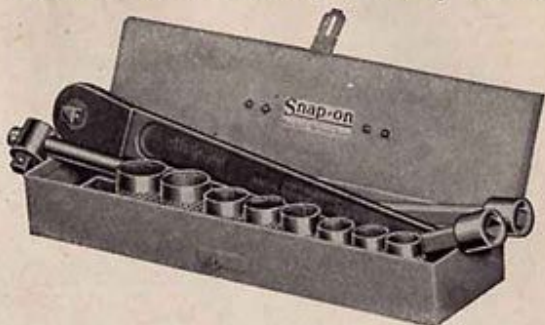
No. 211 Heavy Duty Set—All units in No. 201 set, with HD-7 Ratchet included. Net. \$17.55
No. 211-B Set—Above set, in metal case. Net. \$19.55
No. 212 Set—Same as No. 211 set, except that sockets are single broached. Net. \$17.55
No. 212-B Set—Same set in metal case. Net. \$19.55

Heavy Duty Units Are Sold Individually or in Sets

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

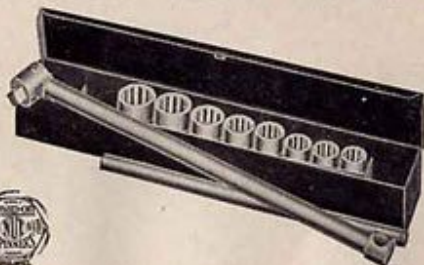
Case for Heavy Duty Sets



No. 2-B Metal Case for any of the Heavy Duty Sets on page 18. Strongly built, fitted with large fashioned leather handle, hasp and staple for padlock; size $2\frac{5}{8}'' \times 5\frac{1}{8}'' \times 18\frac{3}{4}''$, finished in black lacquer.

New Heavy Duty Nut Spinner Set

Featuring the powerful new Heavy Duty Nut Spinner Handle—a long speed tee and ell wrench with 18" cross bar, also an offset with 21" leverage when cross bar is removed. Head swings and stays at any desired angle with handle, milled from Chrome Vanadium steel, secured to handle with special rivet which insures hinge against spreading. Socket end $\frac{3}{8}''$ square, milled diagonal to handle for greater strength. Tool carefully heat treated. See page 22 for further description of Nut Spinner principle.



This set makes work a lot easier on numerous big nuts in close quarters. The following tools are included:

HD-11—Heavy Duty Nut Spinner handle. Each...\$4.50

Eight Hexagon Sockets—DH-300 to DH-460, shown on opposite page. Price.....\$5.95

No. 35 Heavy Duty Nut Spinner Set—Complete in heavy black enameled metal case. Net.....\$11.95

Snap-On Personal Service to Over 3,000 Shops Daily

New Giant Set

HEAVER, stronger and safer! With important improvements in design and construction, we offer this new Giant Set as the last word in socket wrench equipment to speed up the heaviest nut turning work. Here is tremendous power and leverage to accomplish more work in a day, easier and with less fatigue. These tools are made of high carbon alloy steel and heat treated with great care. Sockets are now broached with a 1" square handle hole and the tools are built throughout for longer life under hardest usage. Lustrous cadmium plated finish.

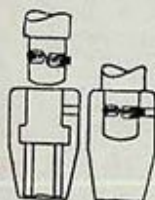


24-inch Sliding Bar

No. 53 Sliding Bar—Heavier stock, 1 1/4" diameter, round, with 1" square socket nose. 24" leverage. Each...\$4.00
Extension Bars—Now of one-piece construction, 1 1/4" diameter round stock instead of square, for greater strength. Socket end 1" square, milled with a shoulder which provides a positive socket stop.

Safety-First Socket Lock

New type spring backed button fitted into handle shank engages in a hole in side wall of socket. Eliminates all danger of socket becoming detached in use. Also easier to interchange sockets.



No. 63 Extension Bar — 8" long.
Each \$2.75

No. 123 Extension Bar — 16" long.
Each \$3.50



No. 583
1 1/2"
\$2.45



No. 483
1 1/2"
\$1.25



No. 523
1 3/4"
\$1.45



No. 563
1 3/4"
\$2.35



No. 603
1 3/4"
\$2.90



No. 643
2"
\$2.95



No. 703
2 1/4"
\$4.00



No. 763
2 3/4"
\$5.10

The eight powerful hexagon sockets fit S.A.E. and U.S.S. nuts and bolts from 1" to 1 1/2" thread diameters. With the 24" handle and two extensions, this set equals 64 different Giant wrenches that will cut labor costs wherever there are large nuts and bolts to turn and afford maximum safety to workmen. The time frequently saved with these tools on one difficult heavy wrench job alone goes a long way toward paying for the complete set.

No. 1803 Snap-On Giant Set—Consisting of all tools illustrated above. Net.....\$32.70

(See Socket Chart, page 25, for additional Giant Hexagon and Square Sockets).

The Snap-On Name Is Quality Assurance

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

No. 73 Giant Ratchet

36" Leverage

Pat.
Pending



This shows the tool assembled for use. We offer it without hesitation for the heaviest usage. The handle is a 32" solid round bar of high carbon tool steel, carefully heat-treated, easy to lock on or remove from the Ratchet head. As assembled, this wrench has a 36" leverage and is the outstanding development of years in a Ratchet for heaviest work.

The Giant Ratchet is adaptable for use with all sockets of the new and improved Snap-On Giant Set and all Giant hexagon and square sockets listed in the Socket Table, page 25.

No. 73 Giant Ratchet—1" square socket receiving plug. Complete with handle. Net.....\$22.00

No. 73-H—Ratchet head only. Each.....\$17.50

No. 73-Y—Extra 32" round bar handle. Each.....\$4.50

THIS Ratchet embodies remarkable new improvements in construction, making it unequaled for strength and ease of operation. Above is the back view of the body of the tool. It is detachable from the handle and is a solid forging with only one cover plate which is bolted on the back, as illustrated. A handy lever is provided for reversing the action of the Ratchet.

Lustrous
cadmium
plated
finish.

Metal Case for Giant Set



No. 28-B—25 $\frac{3}{4}$ " long, 8 $\frac{1}{2}$ " wide, 5 $\frac{3}{4}$ " deep; weight 14 $\frac{1}{2}$ lbs., black duco enamel finish. Exceptionally heavy construction. Lid of full 16-gauge steel, sides and bottom 18-gauge; closely spot welded; large, comfortable steel handle, $\frac{7}{8}$ " diameter round, with five large rivets; powerful hasp and staple. Large and strong enough to accommodate both the Giant Set with all extra sockets and the Heavy Duty Set, or other tools if desired.

Always Glad to Have Your Suggestions on New Tools

Additional Ferret Wrenches

EXTRA convenience tools which may be added to Ferret Sets on pages 4 and 5. Also used with additional Ferret sockets on next page.



F-19—Special Ferret tee and ell handle, 24" long. Indispensable where extra clearance is needed. A valuable tool on airplane service. Each\$1.35

F-3—Long tee and ell handle; sliding bar 6½" long; shank 12" long, each \$1.00

F-4B—Speeder handle, ¾" stock, 24" long, knurled swivel grip.....\$1.25

F-17—One-Hand Speeder, a very handy tool for spinning on small or tricky jobs where one hand must be free for holding or fitting parts in position. Makes pan work easier. Each \$1.15

F-15—Ferret Tap Chuck.

Designed for use with square shank taps and reamers. A handy tool for small reaming jobs, such as door hinges, etc. Each\$1.35

Hammerhead Wrenches—Handiest little wrenches made for numerous tight places around motors—starters, carburetors, generators, distributors, manifolds, filters, strainers, air cleaners, timing gear covers, etc. Also brake and battery work.

F-1416—¾" and 1½". Each\$0.90

F-1820—¾" and 1½". Each95

F-2224—1½" and 3¼". Each 1.20

F-10—Ferret Nut Spinner. An offset, a speed tee or ell wrench all in one. Head works at any desired angle. 8½" leverage. See page 22 for complete description of Snap-On Nut Spinner principle. This tool included in Ferret Nut Spinner Set on page 5. Each.....\$1.85

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

Additional Ferret Sockets

Flexible Hexagon Ferret Sockets

EXTREMELY small over-all measurements. They work with ease in the tightest places. These sockets add still another big increase to the utility of our Ferret type wrenches.

Lic. York Pat. 12-7-'20

No.	Size	Each	No.	Size	Each
F-12	$\frac{3}{16}$ "	\$1.55	F-18	$\frac{3}{16}$ "	\$1.65
F-14	$\frac{1}{8}$ "	1.55	F-20	$\frac{5}{16}$ "	1.75
F-16	$\frac{1}{2}$ "	1.55			

F-404 Set—Consisting of the above 5 sizes. Net.....\$8.05

New Hexagon and Square Sockets

Same type of sockets as are now shown in Ferret sets.

F-170— $\frac{1}{16}$ " hexagon socket.	Each.....	30c
F-190— $\frac{1}{32}$ " hexagon socket.	Each.....	30c
F-414— $\frac{1}{16}$ " square socket.	Each.....	35c
F-416— $\frac{1}{2}$ " square socket.	Each.....	35c

Zerk-Alemite Socket

F-13—A new type of socket for both Alemite and Zerk fittings. Will turn either the straight or elbow type fitting. Each.....50c

Screw Driver Socket

Especially for Chevrolet pan screws with F-17 One-Hand Speeder. Makes this job easy. Also handy on other round, flister and flat head screws. Special improved design, having a protecting collar with special spring action which prevents slipping. F-21—All parts interchangeable. Each, 80c

Extra Deep Squares

For easy work on nuts in running board channels, body and fender support bolts, etc. Three needed sizes which mechanics have especially asked us to make.

No.	Size	Each
SF-414	$\frac{1}{16}$ "	35c
SF-416	$\frac{1}{2}$ "	40c
SF-420	$\frac{5}{8}$ "	45c

Valve Clearance Adjusting Tool

Pat. 6-30-'25 No. 1,544,520



V-21H — Handle.
Each.....\$1.75

Showing screw driver engaged in screw slot, with socket over lock nut ready to lock it with wrench handle when adjustment is made.



V-160
 $\frac{1}{2}$ "
30c



V-180
 $\frac{3}{8}$ "
30c



V-200
 $\frac{5}{8}$ "
30c

Does rocker arm tappet adjusting jobs on all valve-in-head motors in about one-third the usual time, while motor is hot and running. No other wrench, screw driver or pliers needed. Makes an absolutely accurate adjustment easy the first time. No checking back necessary.

No. V-21 Set—Including handle with 3 above sockets\$2.65

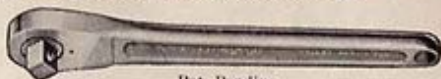


No. V-240—Additional socket for use with the above Valve Adjusting Tool. Has a $\frac{3}{4}$ " hexagon opening and is required on Hall-Scott motors used in buses as well as motors of other makes used in trucks and buses. Each...50c

Your Mail Orders Will Receive Prompt Attention

Master Handles

EVERY Snap-On Master Handle fits every Master Socket and Attachment. Socket receiving ends are $\frac{1}{2}$ " square. A spring-backed friction ball, recessed into the shank, grips and holds the socket firmly, yet permits interchanging sockets quickly and easily.



Pat. Pending

A Remarkable New Ratchet

Twice as strong—shorter acting—and with a new reversing feature, this tool represents one of the most important of the many new developments offered by Snap-On for 1931.

Reverses at a Flip of the Thumb

No push-through plug to bother with—no stopping to change socket from one side to the other. Simply flip the small lever on the back to "on" or "off." Nothing to slow you up—a great feature in a better, a speedier ratchet.



Reverse Lever

The handiest thing about this new tool—reverse lever snaps to "on" or "off" at a slight pressure of thumb.

Other Big Improvements

Body of tool a one-piece forging, with only one cover plate which may be removed when desired. Twenty teeth on ratchet wheel instead of the usual twelve or fourteen, so you can use the tool easily in much closer places with only the slightest handle movement. Wheel and pawl made of the finest, high carbon, alloy tool steel obtainable. All working parts so accurately machined and fitted that the action is always smooth and positive—absolutely no back-lash in this wrench. The entire tool is heat treated with great care, and with its outstanding new features we offer it as the strongest ratchet of its size ever built. No. 71 Ratchet—Cadmium plated, highly polished finish. 9" long. Equipped with hole in end for hanging. Each.....\$3.50



No. S-5 Sliding Tee—Bar $\frac{5}{16}$ " dia. 10" long. Each.....90c



No. S-10 Sliding Tee—Bar $\frac{5}{16}$ " diameter, grooved in center. Spring backed ball inside wrench head snaps into groove to make a practical tee without preventing its free action as a sliding bar. Also holds head at any point on bar at any desired angle. Head locks on either end of bar to form a practical offset handle with the head flush with the end of bar. Length 10". Each.....\$1.10



S-15 Sliding Tee—Bar $\frac{5}{16}$ " diameter, 15" long, giving you more leverage. Same construction features as S-10. Each.....\$1.20

Better Today Than They've Ever Been

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

Master Handles

All Snap-On wrench handles are made of a special analysis steel, selected for strength and toughness, and are put through a careful heat treating process which gives them the unusual durability and long life for which they are noted.

No. 3 Speed Tee—Plenty of leverage for loosening or tightening nuts. Knurled swivel center grip permits easy, rapid spinning. New stop collar holds socket in positive position. $\frac{1}{2}$ " diameter round shank, 12" long. Each.....\$1.15

K-4C Short Speeder—Length 15". Each..\$1.35

Long Speeders—Two popular long lengths.

No.	Length	Each
K4	19"	\$1.35
K4-B	27"	1.75

New process of cadmium plating applied to all Snap-On handles imparts a lustrous and more durable finish which greatly improves their appearance.

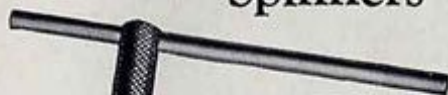
These speeders are of improved design, with comfortable knurled swivel center grip and end grip—easy and handy to use. New stop collar on socket receiving end holds socket in positive position. $\frac{1}{2}$ " diameter round stock.

No. 1 Offset—Note the compact design of the head, which makes it easy to reach into close places. Made of high quality manganese steel; $\frac{5}{8}$ " diameter round stock, 12" length, providing powerful leverage and great strength. Each.....\$1.10

No. DE-1 Offset—Another new and very handy tool where two sizes of sockets are required in connection with the same operation. Just snap both sockets on the handle and go right through the job without stopping. For example, brake work on Ford trucks, main bearing and connecting rod adjustments. Made of Chrome Vanadium steel, $\frac{5}{8}$ " diameter, 11 $\frac{1}{2}$ " long. Each.....\$1.25

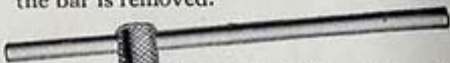
Snap-Ons Lead in Service to the Mechanic

Snap-On Nut-Spinners



No. 10

THE important features of these handles is that the socket receiving end is hinged and has a special locking device which holds it at any desired angle, either straight, at right angle or any desired angle between. When used as a speed tee or ell handle the hinge is straightened out and the sliding bar is employed, as illustrated. When used as an offset the bar is removed.



No. 11

No. 10—Nut Spinner Handle, 15' leverage, $\frac{1}{2}$ " square end for use with Master sockets. Each.....\$2.75
 No. 11—Same style as above but shorter, 10' leverage. Each.....\$2.50

PATENT
 APPLIED
 FOR



This illustrates how the hinged socket end may be set at any desired angle for clearing obstructions. These tools have great utility.

For Heavy Duty and Ferret Nut Spinners see pages 15 and 18. Nut Spinner socket sets shown on pages 5 and 15.

No. 4-S
 Nut
 Spinner
 Speeder



No. 4-S Nut Spinner Speeder—A brand new wrench, employing the popular Nut Spinner principle to give you a combination speeder and offset handle in one tool. The ease and speed with which you can remove or replace cylinder heads with this tool will make a real hit with you. Straighten out the hinge to spin bolts down, then bend into offset position for tightening, without removing wrench from job. A big time saver for general use also. 15" length, for use with Master sockets. Each.....\$2.75

This tool is one of the features of the new Whoopee Set on page 2.

Handle Attachments

Extension Bars for Master Handles

LENGTHEN the reach of any handle. All required lengths and types. Made from high carbon steel, heat treated to give great strength and lasting service.



S-2



S-6



S-12



SG-6

Swivel Grip Extension Bars—
Mighty handy.

SG-6—

6".....\$1.00

SG-12

12".....\$1.25



SG-12

One-piece construction, machined from solid round bar steel, easy to handle.

No.	Length	Each
S-2	2"	\$0.50
S-6	5"	.75
S-12	10"	.80

S-20—A special long extension for cylinder head stud bolts. Clears cowl and greatly simplifies this job. An ideal hook-up with sliding bar handles. Each.....\$1.15



S-20

Universal Joint for Master Handles



Note the slender, compact design. Works freely at nearly a 90° angle. Gives you a flexible type wrench of every required size with regular Master handles. Built for hard usage, heavily cadmium plated, highly polished.

No. 8—Each.....\$1.75

Handle and Socket Adaptors

These Adaptors make it possible to increase the range of socket sizes which may be used on any of the Master or Heavy Duty handles.



HD-1

HD-1—Adapts Heavy Duty sockets to Master handles. $\frac{1}{2}$ " handle hole, $\frac{5}{8}$ " square socket end. Each.....50c

HD-2—Adapts Master sockets to Heavy Duty handles. Same type as HD-1, but with a $\frac{5}{8}$ " handle hole and $\frac{1}{2}$ " square socket end. Each.....65c

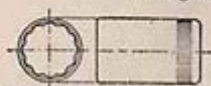


HD-8

HD-8—Adapts all sockets with a $\frac{3}{4}$ " square handle opening to our No. HD-7 Heavy Duty Ratchet. Each..75c

Socket Table

Sizes given are the diameters of threads.



Extra Thin Straight Wall Hexagon Sockets

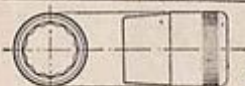
See page 20 for Master Sockets of this type.



Midget and Master Type

Ferret type, very shallow

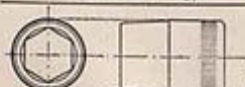
	Socket No.	Size of Hex. Opening	S.A.E. Nuts & CapSe.	U.S.S. Nuts	U.S.S. CapSe.	American St'd. Nuts	CapSe.	Price Each
Midget 9/16" Square Handle Openings	M-8	1/4"	...	...	...	...	...	\$0.15
	M-9	9/32"	...	...	...	...	...	.15
	M-10	5/16"	...	1/8"	1/8"	...	...	.15
	M-11	11/32"	...	...	...	...	...	.15
	M-12	3/8"	...	...	3/16"	...	...	.15
	M-14	7/16"	1/4"	...	1/4"	1/4"	1/4"	.15
Ferret 3/4" Square Handle Openings	F-120	3/8"	...	...	3/16"	...	...	.30
	F-140	7/16"	1/4"	...	1/4"	1/4"	1/4"	.30
	F-160	1 1/2"	5/16"	1/4"	5/16"	...	5/16"	.30
	F-170	1 1/2"	...	...	...	...	...	.30
	F-180	9/16"	3/8"	...	3/8"	5/16"	3/8"	.30
	F-190	1 1/2"	...	5/16"	...	...	...	.30
	F-200	5/8"	7/16"	...	7/16"	3/8"	7/16"	.30
	F-220	1 1/2"	...	3/8"	...	...	...	.40
	F-240	3/4"	1/2"	...	1/2"	7/16"	1/2"	.40



Standard Type Double Broached Hexagon Sockets

Made in Master and Heavy Duty sizes. See page 21 for Heavy Duty Sockets.

	Socket No.	Size of Hex. Opening	S.A.E. Nuts & CapSe.	U.S.S. Nuts	U.S.S. CapSe.	American St'd. Nuts	CapSe.	Price Each
Master Sizes 1/2" Square Handle Openings	DH-140	7/16"	1/4"	...	1/4"	1/4"	1/4"	\$0.35
	DH-160	1 1/2"	5/16"	1/4"	5/16"	...	5/16"	.35
	DH-180	9/16"	3/8"	...	3/8"	5/16"	3/8"	.35
	DH-190	1 1/2"	...	5/16"	...	...	...	.35
	DH-200	5/8"	7/16"	...	7/16"	3/8"	7/16"	.40
	DH-220	1 1/2"	...	3/8"	...	...	...	.40
	DH-240	3/4"	1/2"	...	1/2"	7/16"	1/2"	.45
	DH-250	2 1/2"	...	7/16"	...	...	...	.50
	DH-260	1 3/8"	...	...	9/16"	1 1/2"	9/16"	.50
	DH-280	7/8"	9/16"	1 1/2"	5/8"	9/16"	5/8"	.50
	DH-300 1 1/2"	1 5/8"	5/8"	...	...	5/8"	...	.50
	DH-310 1 1/2"	3 1/2"	...	9/16"	...	...	...	.50
	DH-320 1 1/2"	1"	1 1/16"	...	3/4"	...	3/4"	.50



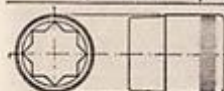
Standard Single Broached Hexagon Sockets

Made in Master, Heavy Duty and Giant sizes. See page 21 for Master Sockets.

	Socket No.	Size of Hex. Opening	S.A.E. Nuts & CapSe.	U.S.S. Nuts	U.S.S. CapSe.	American St'd. Nuts	CapSe.	Price Each
Heavy Duty 5/8" Square Handle Openings	300	1 5/16"	5/8"	...	...	5/8"	...	\$0.50
	310	3 1/2"	...	9/16"	...	...	...	.50
	320	1"	1 1/16"	...	3/4"	...	3/4"	.60
	340	1 1/16"	3/4"	5/8"	...	...	...	.65
	360	1 1/8"	...	...	7/8"	3/4"	7/8"	.70
	380	1 3/16"	...	...	...	...	...	.70
	400	1 1/4"	7/8"	3/4"	1"	...	...	.85

Snap-On Offers the Widest Range of Socket Sizes

	Socket No.	Size of Hex. Opening	S.A.E. Nuts & CapSe.	U.S.S. Nuts	U.S.S. CapSe.	American St'd.		Price Each
						Nuts	CapSe.	
Heavy Duty Sizes—Cont'd	421	1 $\frac{5}{16}$ "				$\frac{7}{8}$ "	1"	\$0.90
	440	1 $\frac{3}{8}$ "			1 $\frac{1}{8}$ "			1.05
	460	1 $\frac{7}{16}$ "	1"	$\frac{7}{8}$ "				1.10
	480	1 $\frac{1}{2}$ "			1 $\frac{1}{4}$ "	1"	1 $\frac{1}{8}$ "	1.20
	HD-500	1 $\frac{9}{16}$ "						1.35
	HD-520	1 $\frac{5}{8}$ "	1 $\frac{1}{8}$ "	1"				1.35
	463	1 $\frac{7}{16}$ "	1"	$\frac{7}{8}$ "				1.15
	483	1 $\frac{1}{2}$ "			1 $\frac{1}{4}$ "	1"	1 $\frac{1}{8}$ "	1.25
	503	1 $\frac{9}{16}$ "						1.40
	523	1 $\frac{5}{8}$ "	1 $\frac{1}{8}$ "	1"				1.45
Giant Hexagon Sockets 1" Square Handle Openings. Giant sizes made with single broached openings only.	543	1 $\frac{11}{16}$ "				1 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	2.35
	563	1 $\frac{3}{4}$ "						2.35
	583	1 $\frac{13}{16}$ "	1 $\frac{1}{4}$ "	1 $\frac{1}{8}$ "				2.45
	603	1 $\frac{7}{8}$ "				1 $\frac{1}{4}$ "		2.90
	643	2"	1 $\frac{3}{8}$ "	1 $\frac{1}{4}$ "				2.95
	683	2 $\frac{1}{8}$ "						3.85
	703	2 $\frac{3}{16}$ "	1 $\frac{1}{2}$ "	1 $\frac{3}{8}$ "				4.00
	723	2 $\frac{1}{4}$ "				1 $\frac{1}{2}$ "		4.25
	763	2 $\frac{3}{8}$ "		1 $\frac{1}{2}$ "				5.10
	803	2 $\frac{1}{2}$ "						7.00
	843	2 $\frac{5}{8}$ "				1 $\frac{3}{4}$ "		7.10
	883	2 $\frac{3}{4}$ "		1 $\frac{3}{4}$ "				7.85
	943	2 $\frac{15}{16}$ "		1 $\frac{7}{8}$ "				12.00
	1003	3 $\frac{1}{8}$ "		2"				12.25



Square Sockets

All sizes made with double broached square openings.

	Socket No.	Size of Square Opening	U.S.S. Square Nut	U.S.S. Sq.Hd. CapSe.	U.S.S. Sq.Hd. Set Se.	American St'd.		Price Each
						Square Nut	Sq.Hd. CapSe.	
Ferret Midgert Sizes	M-408	$\frac{1}{4}$ "			$\frac{1}{4}$ "			\$0.15
	M-410	$\frac{5}{16}$ "			$\frac{5}{16}$ "			.15
	F-408	$\frac{1}{4}$ "			$\frac{1}{4}$ "			.30
	F-410	$\frac{5}{16}$ "			$\frac{5}{16}$ "			.30
	F-412	$\frac{3}{8}$ "		$\frac{1}{4}$ "	$\frac{3}{8}$ "			.30
	F-414	$\frac{7}{16}$ "		$\frac{5}{16}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	.35
	F-416	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "		$\frac{5}{16}$ "	.35
Master Sizes $\frac{1}{2}$ " Square Handle Openings	412	$\frac{3}{8}$ "		$\frac{1}{4}$ "	$\frac{3}{8}$ "			.30
	414	$\frac{7}{16}$ "		$\frac{5}{16}$ "	$\frac{7}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	.30
	416	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "		$\frac{5}{16}$ "	.35
	418	$\frac{9}{16}$ "		$\frac{7}{16}$ "	$\frac{9}{16}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	.40
	420	$\frac{5}{8}$ "		$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	.40
	422	1 $\frac{1}{16}$ "	$\frac{3}{8}$ "	$\frac{9}{16}$ "				.40
	424	$\frac{3}{4}$ "		$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	.50
	426	1 $\frac{3}{16}$ "				$\frac{1}{2}$ "	$\frac{9}{16}$ "	.50
	428	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	.55
	432	1"			1"		$\frac{3}{4}$ "	.60
Heavy Duty Sizes	HD-428	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	.60
	HD-432	1"			1"		$\frac{3}{4}$ "	.75
	HD-434	1 $\frac{1}{16}$ "	$\frac{5}{8}$ "					1.05
	HD-444	1 $\frac{1}{4}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{4}$ "			1.40
	HD-446	1 $\frac{7}{16}$ "	$\frac{7}{8}$ "					3.10
Giant Sizes	746	1 $\frac{7}{16}$ "	$\frac{7}{8}$ "					3.15
	750	1 $\frac{9}{16}$ "						3.40
	752	1 $\frac{5}{8}$ "	1"					3.70
	754	1 $\frac{11}{16}$ "				1 $\frac{1}{8}$ "	1 $\frac{1}{4}$ "	3.85
	761	1 $\frac{7}{8}$ "				1 $\frac{1}{4}$ "		4.60

Sockets of Every Type

MIDGET to Giant! Snap-On offers the widest range of sizes and types of sockets for general as well as specialized service. Wherever you can use a socket wrench and make a job easier, we supply the correct type of socket in the needed size.



Stronger and Better

Our extra thin, straight walled, double broached hexagon sockets, originated and first offered to the trade by Snap-On, take the lead in making your work easier. Supplied in Midget, Ferret and Master sizes.

As we now make them in 1931 they are stronger than ever and will stand all you can give them.

Then, there are the old reliable single broached standard hexagon sockets and the standard double broached type; also extra deep sockets, flexible sockets and numerous special purpose sockets, all designed to make difficult jobs easy. Note that all square sockets, from smallest to largest, are now double broached—a further Snap-On improvement.



And a Handsome New Finish

You will like their new, lustrous cadmium plated finish—much better looking and much more durable. Snap-On sockets are machined from solid bars of Chrome Vanadium or special alloy tool steel, noted for toughness and durability, accurately broached and heat treated with extreme care. There is no comparison between the lasting quality of a Snap-On and the ordinary makes of sockets.

Extra Thin, Straight Walled Hexagon Sockets

Fit Master Handles— $\frac{1}{2}$ " Handle Opening

No.	Size	Each	No.	Size	Each
SW-140	$\frac{1}{8}$ "	\$0.45	SW-240	$\frac{3}{4}$ "	\$0.50
SW-160	$\frac{1}{4}$ "	.45	SW-250	$\frac{25}{32}$ "	.55
SW-180	$\frac{3}{8}$ "	.45	SW-260	$\frac{11}{16}$ "	.55
SW-190	$\frac{1}{2}$ "	.45	SW-280	$\frac{7}{8}$ "	.55
SW-200	$\frac{5}{8}$ "	.50	SW-300 $\frac{1}{2}$	$\frac{15}{16}$ "	.65
SW-220	$\frac{11}{16}$ "	.50	SW-320 $\frac{1}{2}$	1"	.65

No. SW-1000 Set—10 sizes, Nos. SW-140 to SW-280 inclusive. Net. \$4.95

No. SW-1200 Set—Including the 12 sizes listed above. Net. \$6.25



Patent Nos.
1,424,069
1,772,723

Snap-On Sockets Are Made Right

Snap-On Sockets—Cont'd

THESE pages are for the purpose of illustrating the different types of Snap-On Sockets. Where the complete range of sizes in any type is not listed with the illustration, see pages 24 and 25.

Double Broached Hexagon Sockets

Master Sizes—1/2" Handle Opening

No.	Size	Each	No.	Size	Each
DH-140	7/16"	\$0.35	DH-250	25/32"	\$0.50
DH-160	1/2"	.35	DH-260	13/16"	.50
DH-180	9/16"	.35	DH-280	7/8"	.50
DH-190	19/32"	.35	DH-300 1/2	15/16"	.50
DH-200	5/8"	.40	DH-310 1/2	31/32"	.50
DH-220	11/16"	.40	DH-320 1/2	1"	.50
DH-240	3/4"	.45			

No. DH-1000 Set—Including 10 sizes, DH-140 to DH-280. Net.....\$4.15
No. DH-1300 Set—Including the 13 above sizes Net.....\$5.65



Patent No. 1,424,069

Heavy Duty Sizes—5/8" Handle Opening

No.	Size	Each	No.	Size	Each
DH-300	15/16"	\$0.50	DH-400	1 1/4"	\$0.85
DH-310	31/32"	.50	DH-421	1 5/16"	.90
DH-320	1"	.60	DH-440	1 3/8"	1.05
DH-340	1 1/16"	.65	DH-460	1 7/16"	1.10
DH-360	1 1/8"	.70	DH-480	1 1/2"	1.20
DH-380	1 3/8"	.70			

Single Broached Hexagon Sockets

Fit Master Handles—1/2" Handle Opening



No.	Size	Each	No.	Size	Each
140	7/16"	\$0.35	220	11/16"	\$0.40
160	1/2"	.35	240	3/4"	.45
180	9/16"	.35	250	25/32"	.50
190	19/32"	.35	260	13/16"	.50
200	5/8"	.40	280	7/8"	.50

No. 1000 Set—10 sizes, Nos. 140 to 280 inclusive. Net.....\$4.15

For Heavy Duty and Giant sizes of this type of Socket, see Socket Table, pages 24 and 25.

Double Broached Square Sockets

Fit Master Handles—1/2" Handle Opening



No.	Size	Each	No.	Size	Each
412	3/8"	\$0.30	422	11/16"	\$0.40
414	7/16"	.30	424	3/4"	.50
416	1/2"	.35	426	13/16"	.50
418	9/16"	.40	428	7/8"	.55
420	5/8"	.40	432	1"	.60

No. 900 Set—9 sizes of square sockets, including all numbers listed above, with the exception of No. 426. Net.....\$3.80

All of our square sockets are made with double broached or 8-point openings. The complete Snap-On range of square sizes is listed on pages 24 and 25.

Patent No. 1,424,069

Flexible Hexagon Sockets

For Master Handles—Single Hexagon Openings

IMPROVED type, thinner and straighter walls and shorter over-all lengths—much more compact and efficient in tight places. These sockets are great time and labor savers on many hard-to-reach jobs—such as rear cylinder studs, motor base bolts, timing gear cover nuts and in tight places where you have to work at an angle. Work at a 90° angle. Machined from Chrome Vanadium steel, heavy cadmium plated, highly polished finish.

Lic. York Pat. 12-7-'20

No.	Size	Each	No.	Size	Each
16	1 1/2"	\$1.75	22	1 1/4"	\$1.75
18	1 3/8"	1.75	24	3/4"	1.75
20	5/8"	1.75			

No. 404 Set—One each of the above five sizes.
Net.....\$8.75

For Ferret Flexible Sockets, see page 19.



Crank Case Drain Plug Sockets

Fit Master Handles—1/2" Handle Opening

These units have square male ends for use on drain plugs with square female openings. Save you a lot of time and bother. All required sizes. No shop should be without them.



No.	Male End	Each	No.	Male End	Each
P-10	5/8"	\$0.40	P-18	9/16"	\$0.45
P-12	3/8"	.40	P-20	5/8"	.45
P-14	7/16"	.40	P-22	1 1/16"	.50
P-16	1/2"	.45	P-24	3/4"	.50

No. 608 Set—Complete set of 8 above sizes. Net \$3.55

Extra Deep Hexagon Sockets

These hexagon sockets have a sufficient over-all length to allow plenty of clearance for bolt ends where nuts are set down deeply. Made in all required sizes.

For Master Handles

Double Broached Hexagon Openings

No.	Size	Each	No.	Size	Each
S-160	1 1/2"	\$0.70	S-260	1 1/2"	\$0.85
S-180	1 3/8"	.70	S-280	7/8"	1.00
S-200	5/8"	.80	S-300 1/2"	1 1/8"	1.05
S-220	1 1/16"	.80	S-320 1/2"	1"	1.10
S-240	3/4"	.80	S-360 1/2"	1 1/8"	1.15
S-250	25/32"	.85			

Note: For Spark Plug Work the four sizes, including S-280 to S-360 1/2", can't be beat.

Patent No. 1,424,069



For Heavy Duty Handles

Single Broached Hexagon Openings
Over-All Depth, 3 1/4"

S-300—1 5/8" Opening.	Each.....	\$1.10
S-340—1 1/4" Opening.	Each.....	1.20
HDS-400—1 1/4" Opening.	Each.....	1.30

For Giant Handles

Single Broached Hexagon Openings
Over-All Depth, 3 1/2"

S-403—1 1/4" Opening.	Each.....	\$1.40
S-463—1 3/8" Opening.	Each.....	1.55
S-523—1 5/8" Opening.	Each.....	1.90



Snap-On Sockets Are Machined from Solid Bars of Steel

Special Ford Sockets

FORD mechanics will appreciate the ease with which these "specials" simplify difficult jobs on Model "A" Ford cars. For other special Ford tools, see pages 30, 49 and 57.



Connecting Rod Socket

S-9001—Connecting Rod Socket. The connecting rod job on new Model "A" Fords requires a socket with a $\frac{31}{32}$ " opening and this new socket is especially designed for the purpose. You can handle the job a lot smoother with this unit and it will certainly pay you to have it. $\frac{31}{32}$ " double

S-9001 broached opening. Fits Master handles. Each.....50c

Brake Cam Socket for Ford Truck



S-9004

S-9004 — Special Heavy, Straight Walled Socket with $\frac{1}{2}$ " single broached square opening for adjusting brake cam on Model "AA" Ford truck. Own brakes. Fits Master handles.

Each.....50c

Brake Cam Socket for Ford Cars

S-9002 — Special Heavy, Straight Walled Socket with $\frac{13}{16}$ " single broached square opening for adjusting brake cam on Model "A" Ford car. Own brakes. Fits Master handles.

Each.....50c



S-9002

Clutch Nut Socket



A-23

A-23—Ford Model "A" Clutch Nut Socket. With this socket and the Snap-On Heavy Duty Sliding Bar you have a powerful wrench to reach this nut and break it loose or pull it up tight without trouble. $1\frac{1}{4}$ " single broached hex-

agon opening. Each.....\$1.30

Crank Jaw Socket

S-9006—A special $1\frac{1}{4}$ " Hexagon Socket with slotted handle opening for use on the regular Ford starting crank to service the crank jaw and fan pulley nut on the end of the crank shaft. A great time and trouble saver to Ford mechanics, permitting this operation to be performed without removing the radiator. Each..95c



S-9006

Drag Link Adjuster



With these units on a Snap-On Master handle it is very easy for you to properly tighten the slotted nut on steering gear assembly, drag link and tie rod; and wherever slotted nuts are used.

A-15— $1\frac{1}{4}$ " Blade. Each..75c

A-17—1" Blade. Each....65c

A-26— $\frac{3}{4}$ " Blade, especially designed for use on Model "A" Ford and Houdaille Shock Absorbers. Each.....65c

Snap-On Stud Remover



A-27—New and improved type, designed for all sizes of studs from $\frac{1}{4}$ " to $\frac{3}{4}$ ". Has a knurled gripping

wheel made of a special grade of steel and will work satisfactorily on either soft or hardened studs. Snap it on a Master handle and you have sufficient leverage to securely tighten the knurled gripping wheel on the stud. Each.....\$2.50

Special Ford Tools

Valve Bushing Remover & Grinding Bushing

SIMPLE, and easy to use, without danger of injury to valve stem, bushings or guide hole.



S-9010

S-9011

Simply remove spring and raise valve. Drop Bushing Remover No. S-9010 around the valve stem. (Fig. 1.) Tap valve lightly from the top to dislodge the two sections of bushing. When bushing is out, remove valve from block, take S-9011 Grinding Bushing, which is made in two sections and held together by a spring clip. Snap valve stem into Grinding Bushing (Fig. 2). Insert the assembly in guide hole for grinding operation. (Fig. 3).

These tools offer the

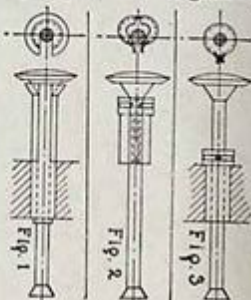
correct and least expensive way to handle the operation.

S-9010—Ford Valve Bushing Remover. Each.....75c

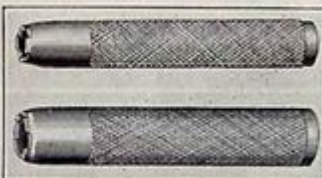
S-9011—Ford Grinding Bushing. Each.....75c

S-9011-S Extra Spring for above. Each.....5c

NOTE: The Grinding Bushing is well worth its price merely for use in setting the tappets.



Hub Bolt Set Punches



Indispensable for ease and speed in setting hub bolts when mounting wheels on brake drums.

These are an improved type and much easier to use than the ordinary hub bolt set punch. The end is cross milled to form four notches and by turning the punch for each hammer blow the notches quickly spread the

metal and firmly set the bolts without excessive use of hammer.

Machined from Chrome Vanadium tool steel, carefully heat treated.

S-9016—For Model "A" cars, $\frac{3}{8}$ " diameter, $5\frac{1}{2}$ " long. Each....\$1.10

S-9017—For Model "AA" trucks, $1\frac{3}{8}$ " dia. $5\frac{1}{2}$ " long. Each....\$1.50

Piston Pin Remover and Inserter

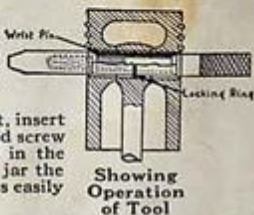


Makes it easy to insert or remove Model "A" and "AA" Ford Piston Pins. The tool consists of a knurled handle with threaded shank and a properly tapered tubular nose into which the shank is screwed.

To remove piston pin, take tool apart, insert the threaded shank through the pin and screw the nose on until tool is set tightly in the pin. Tap the nose with a hammer to jar the locking ring loose and the piston pin is easily withdrawn.

To insert pin in piston, assemble the pin in the tool in above manner, heat the piston to expand pin hole, insert nose of tool and tap it through piston and connecting rod bearing until the locking ring seats itself and pin is in place.

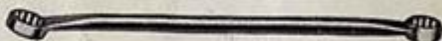
S-9005—Blue Point Piston Pin Tool. Each.....\$1.85



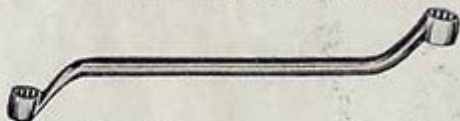
Worth Ten Times Their Cost to Ford Shops

Special Chevrolet Tools

Main Bearing Wrenches



No. 2512—Chevrolet main bearing wrench, for all four cylinder models; double hexagon broached openings; $1\frac{1}{2}$ " opening set at an angle and $\frac{3}{4}$ " opening straight with handle. Greatly simplifies main bearing work; also adapted for spring "U" bolts, cylinder head bolts, rear drive shaft housing, front brake lever, tire racks, etc. Each.....\$1.65



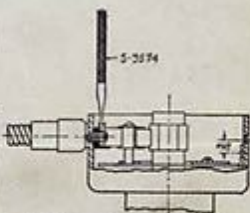
S-9562—
Chevrolet
main bearing
wrench, 1929-
30 sizes, es-
pecially de-
signed for

front, center and rear main bearings. Heads properly offset and at the necessary angles for easy operation. $\frac{5}{8}$ " and $\frac{3}{4}$ " openings. Each.....\$1.65

Distributor Thief-Proof Nut Wrench



Due to its odd shape and obstructions, the thief-proof nut can be only partly turned successfully. With this special new wrench it is easy to turn the nut as far off the threads as necessary for adjusting or installing new points. Simply remove three screws in wall of distributor case and drop plate down about $\frac{3}{16}$ ". Thief-proof nut can now be adjusted with ease without injury to insulation.



S-9574—Distributor Thief-proof Nut Wrench, $3\frac{5}{8}$ " long, cadmium plated finish. Each.....75c

Universal Joint Assembly Tool



Here is a tool that changes an awkward and tedious job to an easy and simple operation—that of assembling the universal joint. No more fussing or fumbling.

Once the tool is in place, as illustrated by the diagram, both hands are free for action. This feature makes it easier to align the various assemblies. When the tool is in position the front center is held rigidly, making it easy to run cap screws on or off. The slide lever screw action of the tool is positive, making it very simple to attach.

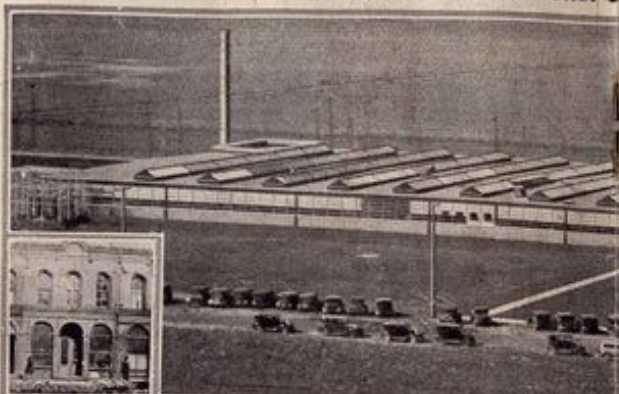
S-9580—Universal Joint Assembly Tool. The engaging jaws which take the brunt of the work are a one-piece forging and the entire tool is very carefully heat treated. Length $6\frac{1}{2}$ ", cadmium plated finish. Each.....\$1.25

We Offer a Complete Set for Chevrolet Service

The New Home of Snap

KENOSHA,

Good Will—Gained Through the
and a National Personal Service



ORIGINAL SNAP-ON
FACTORY-1920



Above you see a view of the general office, exclusive of adjoining private offices used by executives of the company. The aim here is to give our customers, through our twenty-eight branches, a personal national tool service based upon our sales policy—Factory-to Branch-to You.

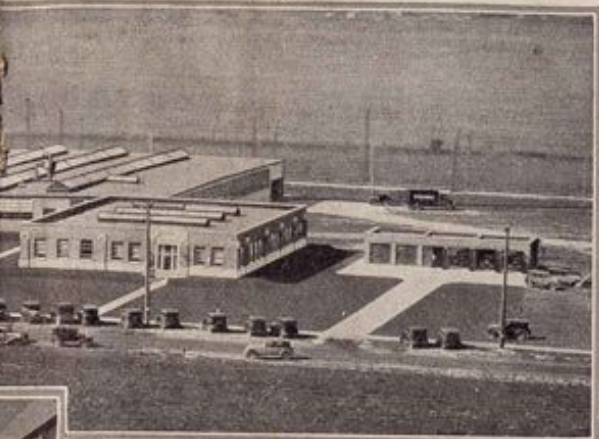
Opposite is a view of our experimental and engineering department. We have the room, equipment and practical engineering talent to design new tools right on the car itself, making your tool troubles our tool troubles. Snap-On—Blue-Point tools are endorsed by many leading motor car manufacturers. When you have a tough job we invite you to tell our salesmen about it. Our aim here is to meet present day needs and grow with the "nut turning" and new tool needs of the automotive industry.

A corner of our tool room where we make our own jigs, dies and fixtures.

Snap-On-Blue-Point Tools

WISCONSIN

The Development of Better Tools
Service—Built This Factory



Factory—to Branch—to You

Ten years have passed since Snap-On Wrench Company (now Snap-On Tools, Inc., picture of factory shown above) with Motor Tool Specialty Co. as sole distributor, came out with and pioneered a new idea in the socket wrench field; namely, interchangeable sockets on speed type handles.

We are indebted to our thousands of mechanic friends for the many constructive suggestions which they have given us and which have been incorporated in our line as it is today. We want you to see our new factory as it really is. The above view was taken from an aeroplane and the lens of the camera caught it just as you would see it if you paid us a visit.

We are proud of this plant, because it gives us the room and the facilities to keep on growing and meeting in a better way your tool needs of today and tomorrow as we have met them in the past.



Some Views of



One of our four batteries of automatic screw machines, used in the first process of machining sockets, handles, etc., from solid bars of Chrome Vanadium and other alloy tool steel.



A section of milling machines and drill presses.



A section of punch presses used in broaching sockets, forming handles, stamping sizes, etc.



Grinding and polishing department.

Our New Factory



Electrically controlled heat treating department, insuring uniform heat treating, quenching and tempering of all Snap-On—Blue-Point tools.



Electrically operated plating department, giving our tools a snappy cadmium, rust-proof, uniform finish.

Assembly and final inspection department.



Bins of finished stock ready for weekly shipments to our 28 branches, insuring balanced stocks. In the foreground you see the shipping department.

Boxocket Wrenches

Made of Chrome Vanadium Tool Steel

THESE are an improved and up-to-date design in box type wrenches. Built for tight places—ideal for manifold, connecting rod and main bearing work, head and base bolts, generator studs, etc. Carefully heat treated to give the greatest strength, toughness and resistance to wear; rust-proof, lustrous cadmium plated finish—the best in workmanship and materials it is possible to produce.



PATENTED
NO. 1,424,069

**BLUE POINT
BOXOCKET**
REG.
U. S. PAT. OFFICE

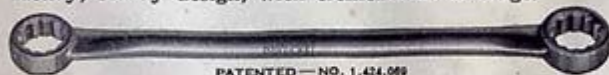
The double hexagon or twelve point broaching and thin walls permit Boxocket Wrenches to be used where clearance and turning space is extremely limited. Require only half as much space for handle movement as end wrenches to operate on hexagon nuts and afford greater leverage.

The following numbers have the same opening on both ends. Where you need a straight wrench you have it. If there are obstructions to clear you have the advantage of the offset end. This gives Blue Point Boxocket wrenches double the handle efficiency of other wrenches of this type. Sizes as follows:

No.	Length	Opening	Each	No.	Length	Opening	Each
X-14	8 $\frac{5}{8}$ "	$\frac{7}{16}$ "	\$1.05	X-24	12 $\frac{1}{2}$ "	$\frac{3}{4}$ "	\$1.45
X-16	8 $\frac{3}{4}$ "	$\frac{1}{2}$ "	1.15	X-26	13 $\frac{7}{16}$ "	$\frac{13}{16}$ "	1.55
X-18	10 $\frac{1}{8}$ "	$\frac{9}{16}$ "	1.20	X-28	14 $\frac{7}{16}$ "	$\frac{7}{8}$ "	1.70
X-20	10 $\frac{3}{4}$ "	$\frac{5}{8}$ "	1.30	X-30	15 $\frac{1}{16}$ "	$\frac{15}{16}$ "	1.85
X-22	11 $\frac{3}{8}$ "	$\frac{11}{16}$ "	1.35				

Double End Straight Boxocket Wrenches

These Boxockets with straight handles and two different openings of the larger sizes on each wrench, are in answer to a big demand from mechanics for tools of this type for various servicing operations on the larger nuts and bolts. Heavy, sturdy design, with tremendous leverage.



PATENTED—NO. 1,424,069

Double broached hexagon openings, 15 $\frac{3}{8}$ " long.

X-3440—1 $\frac{1}{8}$ " and 1 $\frac{1}{4}$ " openings.	Each.....	\$2.85
X-3640—1 $\frac{3}{8}$ " and 1 $\frac{1}{2}$ " openings.	Each.....	2.85

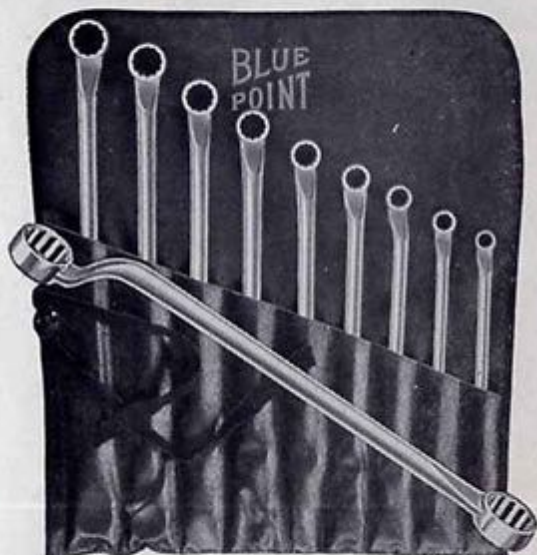
Note: See table of sizes, pages 24 and 25, for all nuts and bolts covered by the different sizes of Boxocket wrenches listed here and on following pages.

The Blue Point Name Stands for Quality First

Boxocket Wrench Sets

PATENTED—NO. 1,424,069

THESE sets consist of the Boxocket wrenches shown on the preceding page and give you a choice of two selections which will handle numerous hard-to-reach jobs where you need plenty of leverage.



No. X-9 Set—Consisting of nine Boxocket wrenches X-14 to X-30, shown on preceding page. Net.....\$12.60

No. X-9K Set—Above set in No. 7-C leatherette kit. Net.....\$12.95

No. X-7 Set—Consisting of seven popular sizes of Boxocket wrenches, Nos. X-14, X-16, X-18, X-20, X-22, X-24 and X-28. Net.....\$9.20

No. X-7K Set—Above set in No. 7-C leatherette kit. Net.....\$9.55

Buick Cylinder Head Stud Bolt Wrench

For all 1930 and '31 Models, as well as for Standard and Master Six 1928 and Older Models

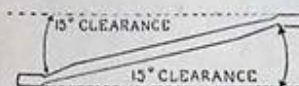


No. 2513-A—A wrench of special design, one end with a $\frac{3}{4}$ " double broached box type opening, and the other end a $\frac{5}{8}$ " crowfoot. Reaches with ease all Buick cylinder head stud bolts from the right hand side. Much easier to use than other wrenches which make it necessary to work from both sides. Each.....\$2.85

Buy Sets—Have the Right Tool for Every Job

New Double-End Boxockets With Heads at 15° Angle

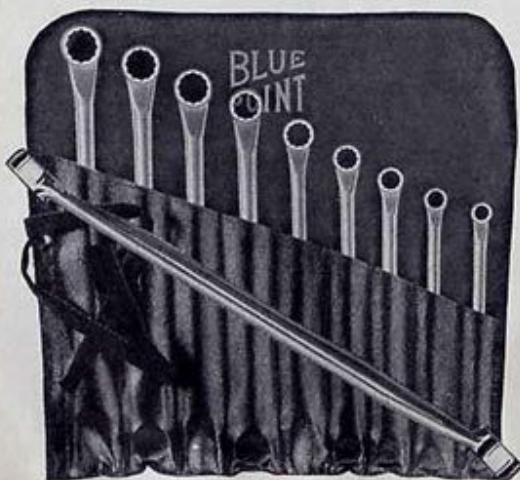
STRAIGHT handle Boxocket Wrenches with heads set at a 15° angle to make them especially good at clearing obstructions while providing long leverage and the advantage of a direct pull.



This illustrates the type of all numbers, showing the 15° angle of clearance. Double broached hexagon openings, made of Chrome Vanadium tool steel, carefully heat-treated, cadmium plated finish.

No.	Openings	Length	Each
XD-1416	$\frac{7}{16}$ " and $\frac{1}{2}$ "	8 $\frac{1}{4}$ "	\$1.20
XD-1618	$\frac{1}{2}$ " and $\frac{9}{16}$ "	8 $\frac{3}{4}$ "	1.30
XD-1820	$\frac{9}{16}$ " and $\frac{5}{8}$ "	9 $\frac{1}{4}$ "	1.35
*XD-1922	$\frac{11}{16}$ " and $\frac{11}{16}$ "	9 $\frac{1}{2}$ "	1.40
XD-2022	$\frac{5}{8}$ " and $\frac{11}{16}$ "	10"	1.40
XD-2024	$\frac{5}{8}$ " and $\frac{3}{4}$ "	11"	1.45
*XD-2226	$\frac{11}{16}$ " and $\frac{13}{16}$ "	11 $\frac{1}{4}$ "	1.55
*XD-2526	$\frac{23}{32}$ " and $\frac{13}{16}$ "	11 $\frac{1}{2}$ "	1.65
XD-2428	$\frac{3}{4}$ " and $\frac{7}{8}$ "	11 $\frac{3}{4}$ "	1.70
XD-2830	$\frac{7}{8}$ " and $\frac{15}{16}$ "	13"	1.80
XD-3032	$\frac{15}{16}$ " and 1"	15 $\frac{3}{8}$ "	2.25
XD-3034	$\frac{15}{16}$ " and 1 $\frac{1}{16}$ "	15 $\frac{5}{8}$ "	2.30
*XD-3134	$\frac{31}{32}$ " and 1 $\frac{1}{16}$ "	15 $\frac{3}{4}$ "	2.30
XD-3440	1 $\frac{1}{16}$ " and 1 $\frac{1}{4}$ "	15 $\frac{3}{8}$ "	2.50
XD-3640	1 $\frac{1}{8}$ " and 1 $\frac{1}{4}$ "	15 $\frac{3}{8}$ "	2.55
XD-4244	1 $\frac{5}{16}$ " and 1 $\frac{3}{8}$ "	15 $\frac{3}{8}$ "	2.85

(*) Not carried in stock. Supplied on special order only.



XD-9 Set—Consisting of 9 wrenches in popular sizes, Nos. XD-1416, XD-1618, XD-1820, XD-2022, XD-2428, XD-3032, XD-3034, XD-3640 and XD-4244. Tools only. Net.....\$16.90
XD-9K Set—Above tools in No. 7-C leatherette kit. Net..\$17.25

Boxocket Wrenches Are Safety-First Tools

Dwarf Boxocket Wrenches

[Trade Mark]

THESE are the smallest wrenches of the Boxocket line. The handles are short so that they can be used in close places, the openings are double broached, like the larger Boxockets, for free operation where turning space is limited. Each end has a different sized opening and is offset, as illustrated, to clear obstructions. Made in the most popular and needed sizes. Make easy work of a lot of close-quarter jobs, including generator, universal joint and carburetor work, servicing cover plates and manifold systems.



No.	Opening	Length	Each
XS-1214	$\frac{3}{16}$ " and $\frac{7}{16}$ "	4"	\$0.90
XS-1416	$\frac{1}{4}$ " and $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	.95
XS-1618	$\frac{1}{2}$ " and $\frac{3}{4}$ "	4 $\frac{3}{4}$ "	1.00
XS-1820	$\frac{3}{8}$ " and $\frac{5}{8}$ "	5"	1.15
XS-2024	$\frac{5}{8}$ " and $\frac{3}{4}$ "	5 $\frac{1}{4}$ "	1.30
XS-2224	1" and $\frac{3}{4}$ "	5 $\frac{3}{4}$ "	1.55



Dwarf Set in Kit Bag

The above six sizes of Dwarf Boxocket wrenches put up in a leatherette kit bag, giving you a mighty handy outfit of these popular and much-used sizes. No set of wrenches could give you more practical service—you should have the complete set.

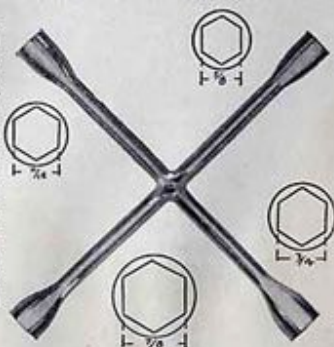
XS-6 Set—Wrenches only. \$6.85

XS-6K Set—Complete in No. 1-C kit bag. \$7.05

Blue Point Rim Wrench

A four way speed wrench having powerful leverage, adapted for lug nuts and tire carrier nuts or bolts on over 90 per cent of the different makes of cars. Also adapted for practically all disc and wire wheel nuts. Sockets broached extra deep in order to clear bolt ends and the high acorn or cap nuts found on disc wheels.

No. 400— $\frac{5}{8}$ ", $1\frac{1}{4}$ ", $\frac{3}{4}$ " and $\frac{1}{2}$ " openings, 13" across each way. Highly polished nickel finish. Each.....\$2.00



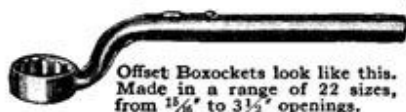
Ask Salesmen About Special Boxockets

Heavy Duty Boxockets

LONGER leverage—lighter—stronger—easier to use in tight places than any other wrenches made for heavy nut turning operations. Safety-first tools—once on the nut they cannot slip off—spread—or turn on the nut. Forty-four Boxocket wrench heads, with short round shanks, are made to fit on tubular handles of different lengths.

By a special locking device the wrench heads are easily interchanged on the handles.

Over-all lengths range from 23" to 61". Both straight and offset styles are furnished in the same range of sizes for easy work in clearing obstructions. Forged from high carbon Chrome Vanadium tool steel, carefully heat-treated to insure great strength. Rust-proof cadmium plated finish. Meet big demand as standard stock tools and also take the place of numerous costly hand-made special wrenches.



Offset Boxockets look like this. Made in a range of 22 sizes, from $1\frac{1}{8}$ " to $3\frac{1}{2}$ " openings.



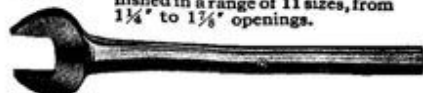
Straight Boxockets look like this. Also made in 22 sizes, from $1\frac{1}{8}$ " to $3\frac{1}{2}$ " openings.

Heavy Duty Open End Wrenches For Use with Tubular Handles

Open End Wrenches of this type have been found of great use on many heavy nut turning operations and the extreme leverage provided by the tubular handles gives you the advantage of an Open End Wrench with an interchangeable handle feature never before offered the trade.



Offset Open End Wrenches with short, round shanks, are furnished in a range of 11 sizes, from $1\frac{1}{4}$ " to $1\frac{3}{8}$ " openings.



Straight Open End Wrenches with short, round shanks, also furnished in a range of 11 sizes, from $1\frac{1}{4}$ " to $1\frac{3}{8}$ " openings.

Heavy Duty Boxocket Sizes

Size of Opening	Shank Diameter	For Handle No.	Straight Boxockets		Offset Boxockets	
			No.	Price	No.	Price
1 ^{15/16"}	5/8"	15	130	\$1.50	230	\$1.75
1"	5/8"	15	132	1.50	232	1.75
1 1/16"	11/16"	18	134	1.75	234	2.00
1 1/8"	11/16"	18	136	1.75	236	2.00
1 1/4"	11/16"	18	140	1.75	240	2.00
1 5/16"	11/16"	18	142	1.75	242	2.00
1 3/8"	7/8"	24	144	2.75	244	3.35
1 7/16"	7/8"	24	146	2.75	246	3.35
1 1/2"	7/8"	24	148	3.00	248	3.60
1 5/8"	7/8"	24	150	3.00	250	3.60
1 5/8"	1"	30	152	3.45	252	4.35
1 3/4"	1"	30	156	3.65	256	4.55
1 11/16"	1"	30	158	3.75	258	4.65
2"	1"	30	164	4.50	264	5.40
2 1/16"	1"	30	170	4.90	270	5.80
2 1/4"	1"	30	172	4.90	272	5.80
2 3/8"	1 1/8"	36	176	6.75	276	7.75
2 1/2"	1 1/8"	36	182	7.00	282	8.00
2 3/4"	1 1/8"	36	188	7.25	288	8.25
2 11/16"	1 1/8"	36	194	7.75	294	8.75
3 1/8"	1 1/8"	36	1100	8.00	2100	9.00
3 1/2"	1 3/4"	42	XHD-1112	10.40	XHD-2112	12.40

Heavy Duty End Wrench Sizes

Size of Opening	Shank Diameter	For Handle No.	Straight Wrenches		Offset Wrenches	
			No.	Price	No.	Price
1 1/4"	11/16"	18"	OE-140	\$2.65	OE-240	\$3.00
1 5/16"	11/16"	18"	OE-142	2.65	OE-242	3.00
1 3/8"	7/8"	24"	OE-144	3.95	OE-244	4.40
1 7/16"	7/8"	24"	OE-146	3.95	OE-246	4.40
1 1/2"	1"	30"	OE-148	4.20	OE-248	4.80
1 5/8"	1"	30"	OE-150	4.20	OE-250	4.80
1 5/8"	1"	30"	OE-152	4.40	OE-252	5.00
1 11/16"	1"	30"	OE-154	4.40	OE-254	5.00
1 3/4"	1"	30"	OE-156	4.40	OE-256	5.00
1 13/16"	1"	30"	OE-158	4.85	OE-258	5.50
1 7/8"	1"	30"	OE-160	4.85	OE-260	5.50

NOTE: Where special bends or offsets are required in either Boxocket or End Wrenches, we can furnish them at slight additional cost. See pages 24 and 25 for nuts and bolts these wrenches fit.

Tubular Handles For Use on All Above Wrenches

Handle No.	Handle Length	Length Overall Assembled	Outside Diameter	Inside Diameter	Price Each
15	15"	23"	1 1/8"	5/8"	\$1.50
18	18"	24"	1 1/8"	11/16"	1.75
24	24"	35"	1 1/8"	7/8"	2.75
30	30"	41"	1 3/4"	1"	3.75
36	36"	52 1/2"	1 7/8"	1 1/8"	5.00
42	42"	61"	1 3/4"	1 3/8"	6.00

You Don't "Cuss" When You Use Boxockets

Water Pump Packing Nut Wrenches

NOTHING to equal them for easy adjustment of water pump packing nuts. Fit over shaft and onto nut. Can't slip or injure nut. Operate with only a $\frac{1}{2}$ turn.



No.	Hex. Opening	Length	Price	No.	Hex. Opening	Length	Price
920	$\frac{5}{8}$ "	4 $\frac{3}{4}$ "	\$0.85	944	1 $\frac{3}{4}$ "	6"	\$1.75
922	1 $\frac{1}{16}$ "	4 $\frac{3}{4}$ "	.85	946	1 $\frac{1}{8}$ "	6 $\frac{1}{2}$ "	1.75
924	$\frac{3}{4}$ "	4 $\frac{3}{4}$ "	.85	948	1 $\frac{1}{2}$ "	6 $\frac{1}{2}$ "	1.75
926	1 $\frac{1}{8}$ "	4 $\frac{3}{4}$ "	.85	950	1 $\frac{1}{8}$ "	6 $\frac{1}{2}$ "	1.75
928	$\frac{7}{8}$ "	5"	1.25	952	1 $\frac{1}{8}$ "	6 $\frac{1}{2}$ "	1.75
930	1 $\frac{1}{8}$ "	5"	1.25	956	1 $\frac{3}{4}$ "	7"	2.00
932	1"	5 $\frac{1}{2}$ "	1.25	*958	1 $\frac{1}{8}$ "	7"	2.00
934	1 $\frac{1}{8}$ "	5 $\frac{1}{2}$ "	1.25	960	1 $\frac{1}{8}$ "	7"	2.00
936	1 $\frac{1}{8}$ "	5 $\frac{1}{2}$ "	1.25	964	2"	7"	2.00
938	1 $\frac{3}{8}$ "	6"	1.50	*968	2 $\frac{1}{8}$ "	7 $\frac{1}{2}$ "	2.25
940	1 $\frac{1}{4}$ "	6"	1.50	*970	2 $\frac{1}{8}$ "	7 $\frac{1}{2}$ "	2.25
942	1 $\frac{3}{8}$ "	6"	1.50	972	2 $\frac{1}{4}$ "	7 $\frac{1}{2}$ "	2.25

*Not carried in stock. Supplied upon special order only.

Special Water Pump Packing Nut Wrenches

No. 904—For all models of Mack Trucks; also Chrysler Models 65, 75 and Imperial 1929 and 72 and 80 of 1928. Each.....\$1.25
No. 905—For Reo 4's and 6's up to early 1929 and Reo Trucks up to and including 1929. Each.....\$1.75

Other Special Water Pump Packing Nut Wrenches can be furnished on special order.

Crowfoot Wrenches

Save a great deal of time in tight places or close up against castings where nut or bolt must be reached at an angle. The head works at any desired angle with the shank and sufficient leverage is provided by the cross bar for all normal usage. Especially efficient for cylinder base bolt nuts on OX-5 aero-plane motors and for other aeroplane service.

It is obvious that when the wrench head is set in a straight line position with the handle the tool has a leverage out of all proportion to the width of the jaws. For the reason that they are likely to be subjected to this form of abuse our standard guarantee cannot be placed upon them.

No.	Size	Length	Each
OX-16	$\frac{1}{2}$ "	18"	\$3.50
OX-18	$\frac{3}{8}$ "	18"	3.50
OX-20	$\frac{5}{8}$ "	18"	3.50

These Wrenches Answer a Popular Demand

Right Angle Wrenches

BBLUE Point Right Angle Wrenches are made with both openings turned in the same direction so you can use the full leverage on either end without the other opening cutting into your hand.

Hammer forged from electric furnace, high carbon Molybdenum alloy tool steel. Openings accurately milled and heads correctly shaped for maximum strength and easy operation around obstructions. Great for brake adjusting, manifold, cylinder head and spring shackle work, as well as other close-quarter jobs. Full nickel plated, with highly polished heads.



No.	Openings	Length	Each
RA-1416	$\frac{7}{16}$ " and $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	\$0.75
RA-1618	$\frac{1}{2}$ " and $\frac{9}{16}$ "	6 $\frac{1}{8}$ "	.85
RA-1820	$\frac{9}{16}$ " and $\frac{5}{8}$ "	6 $\frac{1}{2}$ "	1.00
RA-2226	$\frac{11}{16}$ " and $\frac{13}{16}$ "	7 $\frac{1}{2}$ "	1.20
RA-2428	$\frac{3}{4}$ " and $\frac{7}{8}$ "	8 $\frac{1}{2}$ "	1.45
RA-5 Set—A dandy set including the above 5 wrenches with the best combination of sizes on each wrench. Tools only. Net..\$5.25			
RA-5K Set—The above tools in No. 1-C kit bag. Net..... 5.45			

Ignition Wrenches

Midget size—just what you need for those tricky ignition and carburetor jobs. Each wrench has two different sizes of openings, one at a 90° angle with the handle, and the other at 15°. Each size is duplicated on a separate wrench, but at a different angle so that you have all openings in both the 90° and 15° positions.



No.	Opening 90° End	Opening 15° End	Length	Each
I-1415	$\frac{7}{32}$ "	$\frac{15}{64}$ "	2 $\frac{1}{2}$ "	\$0.60
I-1514	$\frac{15}{64}$ "	$\frac{7}{32}$ "	2 $\frac{1}{2}$ "	.60
I-1618	$\frac{1}{4}$ "	$\frac{9}{32}$ "	3"	.60
I-1816	$\frac{5}{32}$ "	$\frac{1}{4}$ "	3"	.60
I-2022	$\frac{3}{16}$ "	$\frac{11}{32}$ "	3 $\frac{1}{2}$ "	.60
I-2220	$\frac{11}{32}$ "	$\frac{5}{16}$ "	3 $\frac{1}{2}$ "	.60
I-2428	$\frac{3}{8}$ "	$\frac{7}{16}$ "	3 $\frac{3}{4}$ "	.60
I-2824	$\frac{1}{2}$ "	$\frac{3}{8}$ "	3 $\frac{3}{4}$ "	.60
I-3236	$\frac{1}{2}$ "	$\frac{9}{16}$ "	4 $\frac{1}{2}$ "	.60
I-3632	$\frac{5}{8}$ "	$\frac{1}{2}$ "	4 $\frac{1}{2}$ "	.60
I-10 Set—One each of the above 10 sizes. Tools only. Net..\$6.00				
I-10K Set—The above wrenches in No. 8-C kit bag. Net... 6.25				

The Blue Point Name Is Quality Insurance

Blue-Point Open End Wrenches



NOTE the pear shaped jaws, correctly designed, made to the proper thinness for greatest efficiency in operation, milled, .005 oversize for a neat fit that will not slip off the nut on a hard pull. Full nickel plated with highly polished heads.

HAMMER-FORGED from special electric furnace, high carbon Molybdenum alloy tool steel, specified and carefully selected by metallurgical engineers for strength, toughness and fatigue resistance under the strain of hard usage. Individually hardened in liquid heat process, and electrically and oil tempered thru and thru.

Blue-Point Open End Wrenches never spread or open in the jaws. This is guaranteed.

Following are the sizes and pieces. For S.A.E. and U.S.S. hexagon nuts and cap screws; also the U.S.S. square nuts, cap screws and set screws which these wrenches fit, see tables on pages 24 and 25.

No.	Size	Head	Length	Price Each	No.	Size	Head	Length	Price Each
1214	$\frac{3}{16}$	$\frac{1}{32}$	4 $\frac{3}{4}$	\$0.65	2226	$\frac{11}{16}$	$\frac{21}{64}$	8	\$1.05
1416	$\frac{7}{16}$	$\frac{1}{32}$	5 $\frac{1}{2}$	.65	2228	$\frac{11}{16}$	$\frac{3}{8}$	8 $\frac{3}{4}$	1.25
1418	$\frac{7}{16}$	$\frac{11}{64}$	6 $\frac{1}{4}$	.70	2428	$\frac{3}{4}$	$\frac{3}{8}$	8 $\frac{3}{4}$	1.25
1618	$\frac{1}{2}$	$\frac{9}{32}$	6 $\frac{3}{4}$	.75	2432	1	$\frac{13}{32}$	10	1.50
1619	$\frac{1}{2}$	$\frac{9}{32}$	6 $\frac{3}{4}$	.75	2832	1	$\frac{13}{32}$	10	1.65
1624	$\frac{1}{2}$	$\frac{5}{16}$	7	.95	3034	$\frac{11}{16}$	$\frac{21}{64}$	11	1.95
1820	$\frac{9}{16}$	$\frac{13}{64}$	7	.85	3236	1 $\frac{1}{8}$	$\frac{21}{64}$	11	2.00
1824	$\frac{9}{16}$	$\frac{5}{16}$	7	.95	3440	$\frac{11}{16}$	$\frac{9}{16}$	13	2.40
2022	$\frac{5}{8}$	$\frac{21}{64}$	7 $\frac{1}{2}$	.95	3640	1 $\frac{1}{8}$	$\frac{9}{16}$	13	2.40
2024	$\frac{5}{8}$	$\frac{21}{64}$	7 $\frac{1}{2}$	.95	4652	1 $\frac{7}{8}$	$\frac{5}{8}$	15	4.80
2225	$\frac{11}{16}$	$\frac{21}{64}$	8	1.05	See pages 40 and 41 for Heavy Duty End Wrenches.				

All Prices Quoted Are Net to the Trade

Open End Wrench Sets



MOST mechanics require several sizes of open end wrenches. You will not overlook the advantages of owning one of the following sets in a handy leatherette kit bag, which offers protection for the tools and makes it easy for you to check up and prevent their loss.

BPR-8—One each of 8 wrenches, Nos. 1214, 1416, 1618, 1619, 1820, 2024, 2225 and 2428, as illustrated above.

Wrenches only. Net.....\$6.90
 Complete set in No. 2-C leatherette kit. Net 7.20

BPR-13—One each of 13 wrenches, Nos. 1214, 1416, 1418, 1618, 1619, 1820, 2022, 2024, 2225, 2226, 2428, 3034 and 3236, as shown on preceding page.

Wrenches only. Net.....\$13.55
 Complete set in No. 3-C leatherette kit. Net 14.00

BPR-11—One each of 11 wrenches, Nos. 1214, 1416, 1618, 1619, 1820, 2024, 2225, 2226, 2428, 3034 and 3236, giving you a popular range of S.A.E. sizes duplicated in different wrenches.

Wrenches only. Net.....\$11.90
 Complete set in No. 3-C leatherette kit. Net 12.35

BPR-6—A popular set of S.A.E. sizes. One each of Nos. 1214, 1416, 1618, 1820, 2024 and 2428.

Wrenches only. Net.....\$5.10
 Complete set in No. 1-C leatherette kit. Net 5.30

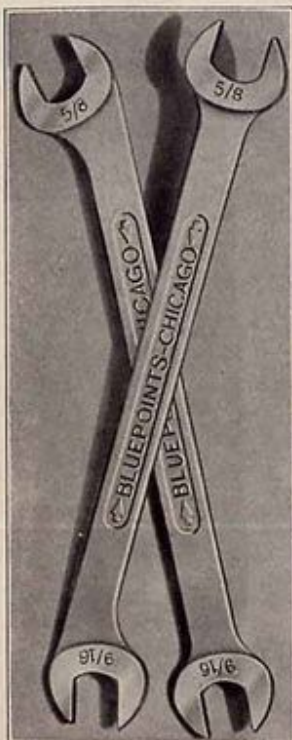
BPR-5—One each of 5 popular S.A.E. sizes, Nos. 1416, 1618, 1820, 2024 and 2428.

Wrenches only. Net.....\$4.45
 Complete set in No. 1-C leatherette kit. Net 4.65

In Ordering by Mail Please Give Stock Number

Tappet Wrenches

BBLUE-POINT Tappet Wrenches are hammer-forged from a very specially selected electric furnace high



carbon tool steel, one of the toughest, strongest steels known to science. Precision milled openings. Individually hardened under our own special liquid heat process, and electrically and oil tempered thru and thru.

Note the small, thin, pear shaped heads and the thin, comfortable grip handles which allow for maximum clearance and easy operation. Full nickel plated, with heads highly polished. Built for professional mechanics, embodying every advanced feature in design and construction.

Made in pairs with same openings on opposite ends. The first two numerals of stock number denotes size of milled openings in thirty-seconds of an inch on straight head end. Last two numerals the size in thirty-seconds on the angle end.

No.	Size Opening		Thickness of Head	Length Over All	Price Each
	Straight	Angle End			
T1416	$\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "	8"	\$0.85
T1614	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{16}$ "	8"	.85
T1618	$\frac{1}{8}$ "	$\frac{9}{16}$ "	$\frac{11}{64}$ "	8"	.90
T1816	$\frac{9}{16}$ "	$\frac{1}{2}$ "	$\frac{11}{64}$ "	8"	.90
T1721	$\frac{17}{32}$ "	$\frac{21}{32}$ "	$\frac{11}{64}$ "	8"	.90
T2117	$\frac{21}{32}$ "	$\frac{17}{32}$ "	$\frac{11}{64}$ "	8"	.90
T1820	$\frac{1}{8}$ "	$\frac{5}{8}$ "	$\frac{11}{64}$ "	8"	.90
T2018	$\frac{5}{8}$ "	$\frac{1}{8}$ "	$\frac{11}{64}$ "	8"	.90
T2224	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{64}$ "	8"	1.00
T2422	$\frac{3}{4}$ "	$\frac{11}{16}$ "	$\frac{13}{64}$ "	8"	1.00
T2628	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{7}{32}$ "	8"	1.15
T2826	$\frac{7}{8}$ "	$\frac{13}{16}$ "	$\frac{7}{32}$ "	8"	1.15

Our Standard One-Price Policy Protects You

Tappet Wrench Sets



No. BT-8 Tappet Wrench Set—As illustrated. A practical assortment of much used sizes consisting of one each of the following:

T-1416 and T-1614
T-1820 and T-2018
T-2224 and T-2422
T-2628 and T-2826

Wrenches only, Net,\$7.80

Complete set in No. 2-C kit bag, Net\$8.10

No. BT-12 Tappet Wrench Set—A real set for senior mechanics, consisting of the complete range of 12 tappet wrenches shown on preceding page.

Wrenches only Net, \$11.40

Complete set in No. 1-C leatherette kit.. Net, 11.60

No. BT-6 Tappet Wrench Set—A popular set of the six most needed sizes.

Numbers	Openings
T-1416 and T-1614	$\frac{3}{8}$ " and $\frac{1}{2}$ "
T-1820 and T-2018	$\frac{5}{16}$ " and $\frac{3}{4}$ "
T-2224 and T-2422	$1\frac{1}{16}$ " and $\frac{3}{4}$ "
Wrenches only	Net, \$5.50
Complete set in No. 1-C leatherette kit	Net, 5.70



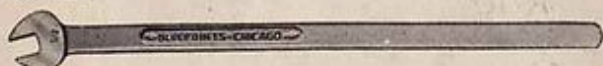
Oakland "8" Tappet Wrench With Chain

S-8267—A special short handled wrench with $\frac{3}{8}$ " and $\frac{1}{2}$ " openings, designed for valve tappet adjusting work on 1930 Oakland "8" Models. Equipped with a chain and ring for looping around user's arm or attaching to the radiator rod, so that if the wrench slips out of the user's hand and drops into the crankcase, it can be easily recovered.
Each.....\$1.15

Buy Sets—Have the Right Tool for Every Job

Long Tappet Wrenches

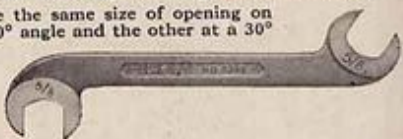
THIN heads and long, thin handles, very popular on certain cars and where a long handle is required for work around hot manifolds.



No.	Opening	Head Thickness	Length	Price
LT-16	1 1/2"	7/32"	14"	\$1.25
LT-18	1 3/8"	7/32"	14"	1.25
LT-20	1 1/2"	7/32"	14"	1.25
LT-22	1 1/8"	7/32"	14"	1.25

Special Brake Adjusting Wrenches

These wrenches have the same size of opening on each end, one at a 90° angle and the other at a 30° angle with the handle, adapted for adjusting Lockheed hydraulic brakes on many late model cars, as well as for various other jobs.



No.	Size	Length	Each	No.	Size	Length	Each
5216	1 1/2"	6"	\$0.95	5222	1 1/8"	7 1/2"	\$1.00
5218	1 3/8"	6"	.95	5224	1 1/4"	7 13/16"	1.10
5220	1 1/2"	6"	.95	5228	1 3/8"	9 3/8"	1.20

No. 5200 Set—Including the above 6 wrenches. Net.....\$6.15
No. 5200K Set—In No. 1-C leatherette kit. Net.....\$6.35

Special Brake Eccentric Wrenches



S-9862 — 3/8" size, 9" long. Each. 75c
M-4366 — 1/4" size, 9" long. Each. 75c
S-8754 — 5/8" size, 9" long. Each. 75c

For eccentric shaft adjustments, both Bendix and Lockheed on many different cars and trucks.

Special Dodge Brake Wrench

S-9353—Special thin jaws, 3/4" and 3/8" openings at proper angle for easy operation on Dodge brake nuts. Not guaranteed for general purpose work. Each.....



\$1.00

Blue Point Strap Wrench



Strap adjustable to any opening from 1 1/2" to 10", for use on hub caps, head-light rims, radiator caps and for turning any highly finished part. Strong metal handle.

No. 88-F—Tool with special fabric strap. Each.....\$2.00

No. 89-F—Extra fabric strap. Each.....50c
No. 88-L—Tool with leather strap. Each.....\$2.50
No. 89-L—Extra leather strap. Each.....\$1.00

NOTE: Straps are of finest quality but cannot be guaranteed.

Ridgid Pipe Wrenches

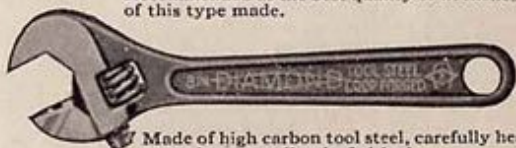
THE housing of these wrenches is unconditionally guaranteed against breakage or distortion. Powerful I-beam handle. Grip and hold perfectly under the stiffest pull but you can't lock them on a pipe. Jaws are replaceable.



No.	Size	Weight	Price	No.	Size	Weight	Price
6	6"	7 oz.	\$0.70	18	18"	5 lbs.	\$ 2.00
8	8"	15 oz.	.80	24	24"	8 1/4 lbs.	3.05
10	10"	1 3/4 lbs.	1.05	36	36"	16 lbs.	5.40
14	14"	3 3/4 lbs.	1.40	48	48"	27 lbs.	9.00

Diamond Adjustable Wrenches

Recommended as the best quality of wrenches of this type made.



Made of high carbon tool steel, carefully heat treated and excellently finished.

No.	Size	Weight	Each	No.	Size	Weight	Each
D-4	4"	2 oz.	\$0.65	D-12	12"	2 lbs.	\$1.50
D-6	6"	5 oz.	.65	D-15	15"	4 1/2 lbs.	2.25
D-8	8"	10 oz.	.80	D-18	18"	7 lbs.	3.25
D-10	10"	18 oz.	1.00				

Repair parts carried in stock for quick replacement service.

Blue-Point Valve Grinder

The fastest, sturdiest, smoothest operating tool of its kind. Gears are not the ordinary stamped kind, but are real cut gears of non-wearing bronze. Ball bearing thrust.

As the crank is turned, the blade turns three times forward and three times backward in rapid oscillating motion to each single revolution of the crank.

The construction features of the Blue Point Valve Grinder make it a real mechanic's tool that will stand up in shop use and last indefinitely. Dark blue duco-enamel finish. Tool equipped with two stems—one short and one extra long. Each.....\$3.85



Blade never stops twice in same place—it travels



Rubber Suction Cup for Use in Grinding Ford Valves

S-9051—Holds valve properly for final grinding-in process. Fits shaft of Blue Point Valve Grinder. Made of the very highest grade rubber. Each.....15c

Blue-Point Valve Spring Compressor

LIGHT in weight—powerful in compressing without binding or spreading—simple in operation, easily adjusted to the job—designed to supply the mechanic with the very best all-around Valve Spring Compressor obtainable at a cost only slightly more than the ordinary plier type compressor. Interchangeable lower jaws adapt this tool to general, as well as specialized, repair shops.

Note cam lever attached to large screw. A plunger which extends through this screw to contact with valve is operated by the cam. This cam lever swings so that it can be operated in any position.



The large screw works inside of a sleeve which is threaded for the purpose. This allows upper jaw to be adjusted to any desired height by sliding the sleeve up or down and locking it in any required position by means of the above clamp screw lever on side of frame.

After tool is set to the job, upper arm does not have to be moved. Any closer, final adjustments can be made simply by turning the large screw with cam lever.

Movement of cam, after upper jaw is properly set, provides compression of $1\frac{1}{8}$ "—ample for removing locking devices in releasing valves. When spring is compressed the cam handle is self-locking and holds the spring safely. Plunger works freely in screw and is kept always in contact with cam by means of a spring.

Hinged, collapsible frame—packs away in small space. Quickly assembled for operation by turning the thumb screws illustrated and attaching any type of lower jaw required. Cadmium plated finish.

No. 5—Complete tool with straight jaws, as illustrated. Net.....\$6.50

No. 5-7P—Extra Straight Jaws. Pair...\$1.00

No. 5-7L—Left Jaw only or 5-7R—Right Jaw only. Each.....50c

No. 5-8P—Offset Jaws for clearing obstructions below the valve, such as lock nuts. Pair \$1.00

No. 5-8L—Left Jaw only or 5-8R—Right Jaw only. Each.....50c

No. 5-11P—Reverse Jaws for use where there is interference on the motor block. Cup to catch split locks. Pair.....\$1.75



5-8P, Offset Jaws



5-11P, Reverse Jaws

Special Cadillac and LaSalle Frame

No. 5-6C—Interchangeable with all parts of the No. 5 Compressor, perfectly adapted to Cadillac and La Salle cars. Each.....\$1.65

No. 6—Complete tool equipped with No. 5-6C Frame and Straight Jaws. Net.....\$6.50

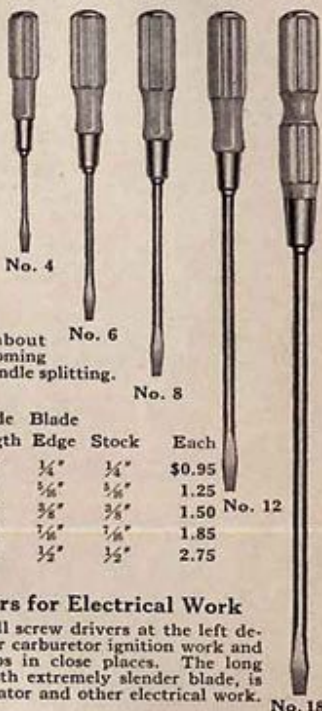
Blue-Point Screw Drivers

BLADES forged from high carbon, Chrome Vanadium, alloy tool steel, heat treated to give maximum strength and resiliency. Accurately milled to standard gauges.

Rounded cap or striking head on end of handle turned from special analysis steel and heat treated to withstand hammer blows. Butt end of blade extends through handle and is fitted into striking head under heavy pressure, making the tool as strong as if made from one solid piece of steel.

Extra thick ferrules, machined from solid bar steel. Note hump formation on blade where it enters ferrule, providing a broad shoulder which fits tightly against ferrule. Large hard wood handles with deeply milled flutes, providing a firm, comfortable grip. Need never

worry about ferrule coming off or handle splitting.



No.	Blade Length	Blade Edge	Stock	Each
4	4"	1/4"	1/4"	\$0.95
6	6"	5/16"	5/16"	1.25
8	8"	3/8"	3/8"	1.50
12	12"	1/2"	1/2"	1.85
18	18"	5/8"	5/8"	2.75

181 1/2 142
181 1/2—Blade
1 1/2" long, 1/8"
stock.
Each... 25c
142—Blade
2" long, 1/4"
stock.
Each... 45c
3168—Blade
8" long, 3/16"
stock.
Each... 60c

Drivers for Electrical Work

The small screw drivers at the left designed for carburetor ignition work and other jobs in close places. The long driver with extremely slender blade, is for generator and other electrical work.

No. 18

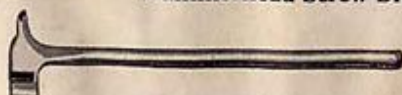
Blue-Point General Purpose Screw Drivers



Drivers of exceptional strength and utility. Blade extends clear through handle to an enlarged hexagon butt, can't turn in handle. Ferrule riveted through handle and blade. Octagon stock, special tool steel, heat treated.

X- 144—Blade 1/4" wide, 4" long.	Each.....	\$0.55
X-5166—Blade 5/16" wide, 6" long.	Each.....	.70
X- 383—Blade 3/8" wide, 8" long.	Each.....	.90

Hammerhead Screw Drivers



Improved type of hammerhead screw drivers—one blade parallel with handle and the other at right angles.

H-48—1/4" blades, 5" long.	Each.....	\$0.65
H-49—3/8" blades, 6" long.	Each.....	.70
H-50—1/2" blades, 7" long.	Each.....	.75

Blue-Point Flat Chisels

HAND-FORGED from finest electric furnace, high carbon chisel steel, individually heat-treated and tested to the standard best adapted to the usage for which each tool is designed. Perfectly balanced, hand-ground cutting edges.



No.	Stock	Edge	Length	Each
812	$\frac{3}{8}$ "	$\frac{3}{8}$ "	5 $\frac{1}{2}$ "	\$0.40
816	$\frac{1}{2}$ "	$\frac{1}{2}$ "	6"	.45
820	$\frac{1}{2}$ "	$\frac{5}{8}$ "	6 $\frac{1}{2}$ "	.50
824	$\frac{5}{8}$ "	$\frac{3}{4}$ "	7"	.55
828	$\frac{3}{4}$ "	$\frac{7}{8}$ "	8"	.75

Flat Chisel Set

Consisting of the five sizes of Flat Chisels shown above, giving you the correct tools for practically every chisel job.

No. C-5 Set—Tools only	\$2.65
No. C-5K Set—Above tools in 5-C kit bag	\$2.85



Long Flat Chisels



No. 1020— $\frac{1}{2}$ " stock, $\frac{3}{4}$ " edge, 11" length.	Each	\$0.80
No. 1024— $\frac{3}{4}$ " stock, $\frac{3}{4}$ " edge, 12" length.	Each	1.05
No. 1628— $\frac{3}{4}$ " stock, $\frac{3}{4}$ " edge, 16" length.	Each	1.40
No. 1832— $\frac{1}{2}$ " stock, 1" edge, 18" length.	Each	1.85

Diamond Point Chisels



No. 15— $\frac{1}{2}$ " stock, $\frac{1}{4}$ " point, 6 $\frac{1}{4}$ " length.	Each	50c
No. 19— $\frac{3}{8}$ " stock, $\frac{1}{8}$ " point, 5 $\frac{1}{2}$ " length.	Each	45c

Cape Chisels

No. 13— $\frac{3}{8}$ " stock, $\frac{1}{4}$ " edge, 6" length.	Each	55c
No. 14— $\frac{1}{2}$ " stock, $\frac{5}{8}$ " edge, 6" length.	Each	55c



Rivet and Ring Gear Busters



No. RB-10—Rivet Buster— $\frac{3}{4}$ " stock, $\frac{3}{4}$ " edge, 10" length.	Each	90c
No. RG-10—Ring Gear Buster— $\frac{3}{8}$ " stock, $\frac{1}{2}$ " edge, 2 x $\frac{3}{4}$ " angle, 10" length.	Each	90c

Guarantee—Chisels and Punches

Every Blue-Point Chisel and Punch is tested under rigid instructions to reject for the slightest visible defect. We will replace any tool, that in the reasonable usage for which it was designed, proves defective in workmanship or material, provided that claim for replacement be made within thirty days from date of purchase and is accompanied by the guarantee certificate and invoice.

Chisel and Punch Sets

THERE are several big advantages in owning a Blue Point Chisel and Punch Set. You have a complete outfit of high quality, from one factory, bearing one guarantee, put up in a neat kit bag which holds each tool in its proper place where you can quickly get it when needed. The kit makes it easy to check up your tools and prevent loss, and it also protects them when not in use.



No. S. R.-16 Set

Consists of one each of the following tools:

- Nos. 13 and 14 Cape Chisels (See page 52).
- Nos. 15 and 19 Diamond Point Chisels (See page 52).
- Nos. 812 to 828 Flat Chisels, 5 sizes (See page 52).
- Nos. 603 to 610 Pin Punches (See page 54).
- No. 4-C—Center Punch (See page 55).

Tools Only	\$7.80
No. 4-C Leatherette Kit.....	.35

Complete Set.....\$8.15

No. S. R.-14 Set

Consisting of one each of the following tools:

- 5 sizes of Flat Chisels Nos. 812 to 828 (See page 52).
- 6 sizes of Pin Punches Nos. 603 to 610 (See page 54).
- No. 4-C Center Punch (See page 55), No. 13 Cape Chisel and No. 19 Diamond Point Chisel (See page 52).

Tools Only	\$6.75
No. 4-C Leatherette Kit.....	.35

Complete Set.....\$7.10

No. J-8 Set

Consists of one each of the following tools:

- Nos. 812, 816 and 820 Flat Chisels (See page 52).
- Nos. 605, 606 and 608 Pin Punches (See page 54).
- No. 4-C Center Punch (See page 55), No. 19 Diamond Point Chisel (See page 52).

Tools Only	\$3.55
No. 9-C Leatherette Kit.....	.30

Complete.....\$3.85

No. J-10 Set

Consists of one each of the following tools:

- Nos. 812, 816, 820 and 824 Flat Chisels (See page 52).
- Nos. 603, 604, 605, 606, 608 and 610 Pin Punches (See page 54).
- Tools Only
- No. 9-C Leatherette Kit.....

Complete.....\$4.85

Special Note! Chisels and punches, if made too hard, will break. If made too soft, they will flatten over. Blue Points are tempered medium to give long service for all around work. No good mechanic will abuse tools of this kind and expect them to stand up.

Remember—These Are Net Trade Prices

Blue-Point Punches

HAND-FORGED from the finest electric furnace, high carbon, special alloy punch and chisel steel, individually hardened in hot lead bath process, carefully tempered to meet the requirements of good mechanics.



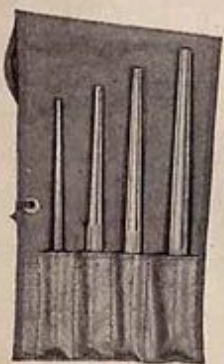
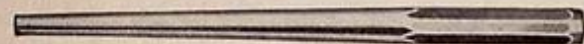
Pin Punches

No.	Stock	Point	Length	Each
603	$\frac{5}{16}$ "	$\frac{1}{16}$ "	5"	\$0.35
604	$\frac{3}{8}$ "	$\frac{1}{8}$ "	5 $\frac{1}{2}$ "	.40
605	$\frac{1}{2}$ "	$\frac{3}{16}$ "	6"	.40
606	$\frac{5}{8}$ "	$\frac{1}{4}$ "	6 $\frac{1}{2}$ "	.45
608	$\frac{3}{4}$ "	$\frac{3}{8}$ "	6 $\frac{3}{4}$ "	.45
610	$\frac{7}{8}$ "	$\frac{1}{2}$ "	7"	.60

No. P-6 Set—Consisting of one each of the above six sizes of Pin Punches. Tools only, Net.....\$2.65

No. P-6K—Above set in No. 5-C leatherette kit bag. Net.....\$2.85

Note: Due to the extremely fine points of Nos. 603 and 604, we cannot guarantee these two tools as other chisels and punches.



Long Tapered Punches

No.	Stock	Point	Length	Each
905	$\frac{3}{8}$ "	$\frac{1}{16}$ "	8"	\$0.50
908	$\frac{1}{2}$ "	$\frac{1}{8}$ "	8 $\frac{1}{2}$ "	.55
910	$\frac{5}{8}$ "	$\frac{3}{16}$ "	9"	.65
912	$\frac{3}{4}$ "	$\frac{1}{4}$ "	9 $\frac{1}{2}$ "	.75
914	$\frac{7}{8}$ "	$\frac{3}{8}$ "	10"	1.10
916	$\frac{1}{1}$ "	$\frac{1}{2}$ "	10 $\frac{1}{2}$ "	1.40

No. LTP-4 Set—Consisting of one each of the first four sizes of long Tapered Punches, Nos. 905 to 912. Tools only Net.....\$2.45

No. LTP-4K Set—Above Set in No. 6-C leatherette kit bag. Net.....\$2.70

No. LTP-6 Set—One each of all six sizes of Long Tapered Punches. Tools only Net.....\$4.95

No. LTP-6K Set—Above set in No. 6-C leatherette kit bag. Net.....\$5.20

Vest Pocket Chisel and Punch Set

This nifty little set gives you some handy midget size tools for your regular work as well as for radio and many small electrical jobs.

No. VP. Set consisting of: 4 punches, $\frac{1}{4}$ " octagon stock, 4" length, in different styles and sizes of points. 1 Flat Chisel, $\frac{1}{4}$ " octagon stock, $\frac{5}{16}$ " edge, 4" length.

In leatherette kit.....\$1.65



Blue Point Quality Will Repay You

Blue-Point Punches—Cont'd



No. 4-C—Center Punch, $\frac{1}{2}$ " stock, 5" length. Each.....45c

Lining Up Punches



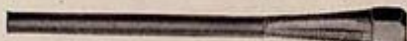
No.	Stock	Point	Taper	Overall	Each
1216	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$6\frac{1}{4}$ "	12"	\$0.85
1558	$\frac{3}{8}$ "	$\frac{5}{16}$ "	$8\frac{1}{4}$ "	15"	1.25
1608	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$5\frac{1}{2}$ "	16"	1.00
1810	$\frac{3}{8}$ "	$\frac{5}{16}$ "	6"	18"	1.15
2412	$\frac{3}{4}$ "	$\frac{3}{8}$ "	$6\frac{1}{4}$ "	24"	1.60

Blue-Point Pinch or Jimmy Bars



1112— $\frac{1}{8}$ " octagon stock, $\frac{1}{4}$ " edge, 11" length. Each.....\$0.85
 1658— $\frac{1}{2}$ " octagon stock, $\frac{3}{8}$ " edge, 16" length. Each.....1.25

Blue-Point Bushing Removers



For removing all brass bushings. Insert tool in bushing, give it a few turns with a wrench and it cuts its own thread without wedging so you can easily hammer out the bushing.

1233—For $\frac{3}{8}$ " to $\frac{1}{2}$ " bushings. Each.....\$1.50
 1234—For $\frac{1}{2}$ " to $\frac{3}{4}$ " bushings. Each.....1.50
 1235—For $\frac{3}{4}$ " to 1" bushings. Each.....2.25

Ball Pein Hammers

STRICTLY a quality line of hammers, correctly designed and balanced, heat treated just right to make them the most serviceable for all around work, handsome blued finish. The handles are made of selected second growth, well seasoned hickory, carefully turned so that the grain runs full length of handle to give maximum strength and resiliency, securely anchored in the heads.



3 Lb.

One only of the twelve sizes are illustrated. Made in a complete range of weights, as follows:

No.	Weight	Price	No.	Weight	Price
7-0	2 Oz.	\$1.30	1	$1\frac{1}{4}$ Lbs.	\$1.45
5-0	4 Oz.	1.30	2	$1\frac{1}{2}$ Lbs.	1.55
4-0	6 Oz.	1.30	3	$1\frac{3}{4}$ Lbs.	1.70
3-0	8 Oz.	1.30	4	2 Lbs.	1.75
2-0	12 Oz.	1.30	6	$2\frac{1}{2}$ Lbs.	2.05
0	1 Lb.	1.35	8	3 Lbs.	2.35

Extra Handles for any size hammer. Each.....25c

All Prices Quoted Are Net to the Trade

Universal Wheel Puller

With Interchangeable Collets for
Practically all Cars and Trucks



AN easier, faster way to pull wheels—with this new, high grade tool. Nothing to assemble or adjust—no pinch bolts—no set screws—it's always ready for use. Good on practically all cars, both new and old models, including Model "T" Ford with threaded hubs; also many makes and models of trucks, including Models "TT" and "AA" Ford with threaded hubs.

When you have the tool, all that is necessary is to select the required size or sizes of collets for your work. Each collet adapts the tool to many different makes and models. Collets are threaded on the inside to fit the various sizes of hub threads. All are of the same size on the outside and are split, with three specially designed heavy tapered threads which screw into the body of the tool and contract collet evenly on hub thread, thus eliminating all possibility of damage to hub thread in pulling.

After removing hub cap and axle nut you have only a light collet to spin on the hub thread. The puller is then quickly attached.

No. 200—Universal Wheel Puller, forged throughout of high carbon steel, carefully heat treated, cadmium plated finish. (Without collets.)

Each.....\$10.50
Collets—All sizes. Each.....\$ 2.50

(Ask Snap-On salesman or write for list of collet sizes and adaptations to cars and trucks of all makes and models.)

Strong metal case designed to hold Universal Wheel Puller and any required number of collets, up to 24.

The drop lid is equipped with a valuable chart showing alphabetical list of cars and trucks with number of collet required for each.

No. 200-B—Metal case. Each.....\$3.50



Only two things to do—screw collet on hub thread as shown, then attach puller and tool is ready.



A few hammer blows on screw handle bring off the tightest wheel. Tons of surplus strength in this tool.



Good Tools Are Your Stock in Trade

It is not a genuine Snap-on without the name

Reg. U. S. Pat. Off.

Snap-On Wheel Pullers

OPERATE on the shock principle—simple and efficient—adaptable to practically all popular makes of cars.

Outstanding Features



1. Thread chaser. Two milled grooves across threaded opening recondition burred or battered threads as puller is screwed onto axle.
2. Permit use of standard Snap-On socket on hexagon portion of body to properly tighten puller on axle and thus prevent stripping threads.
3. Pilot head designed so that it will not mushroom or split.
4. Pilot has a $\frac{3}{16}$ " play or movement, sufficient to pull any wheel with ease.
5. Made of special alloy tool steel and carefully heat treated to provide great strength and toughness.

Easy to Use

Simply remove hub cap and nut, screw the proper size of puller tightly onto axle and jack up opposite wheel. A smart blow or two on the pilot head loosens the tightest wheel. With normal usage these pullers will give long and dependable service.

Sizes as follows:

WP-20—Thread size $\frac{3}{8}$ ".
Each.....\$1.25

WP-24—Thread size $\frac{1}{2}$ ".
Each.....\$1.35

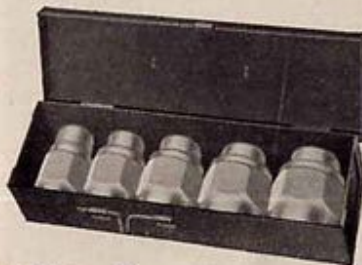
WP-28—Thread size $\frac{3}{4}$ ".
Each.....\$1.45

WP-32—Thread size 1".
Each.....\$1.55

WP-36—Thread size 1 $\frac{1}{8}$ ". Each.....\$1.75

WP-5 Set—All five sizes.
Net.....\$7.35

WP-5B Set—Five sizes of Snap-On Wheel Pullers, complete in metal case. Net.....\$7.95



Ford Wheel Puller

For Steel Spoke Wheels with Hubs Not Threaded

A powerful puller with a correctly designed clevis or latch to fit all early, as well as present new style Model "A" and "AA" wire wheels on which hubs are not threaded. Also Model "T" steel spoke wheels.

Nothing to get ready—simply place hook against hub and throw down the latch, first screwing thrust nut provided onto end of axle to prevent damage. Spin the screw in against thrust nut and a few hammer blows on the screw handle brings the wheel off.

Will not spring or bend sidewise, no danger to axle. Convenient to use in close quarters between cars.

No. S-9052—Tool complete with two thrust nuts. Weight, 14 lbs., Net \$10.00



No Red Tape—No Waiting—On Justifiable Replacements

Vacuum Grip Pliers

BUILT to the Highest Attainable Quality Standards. Recognized by particular mechanics the world over as a true quality line, and known everywhere for their remarkable strength and durability.

Hammer-forged from special high carbon Silico-Molybdenum alloy tool steel—NOT CASE HARDENED on surface only—but hardened and tempered thru and thru.

Heavy Duty Pliers

A giant for gripping. Has wire cutter and adjustable slide joint.



No. 47—7". Each.....\$1.50
No. 49—9". Each.....2.25

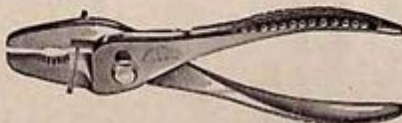
General Use Pliers



Combining powerful cutters with tremendous gripping power; adjustable joint; bow handles.
No. 35—5". Each.....\$1.60
No. 36—6". Each.....\$1.75

Same head design as No. 35, but having full fashioned handles.

No. 137—7". Ea. \$2.00



The Aviator

Capacity far exceeds size. Thin nose; side wire cutters; adjustable joint.

No. 65—5". Ea. \$1.50

Long Reach Pliers

Special parallel grip on two adjustments, for square or hex. nuts.

No. 27—7". Ea. \$1.75



Angle Nose Grippers

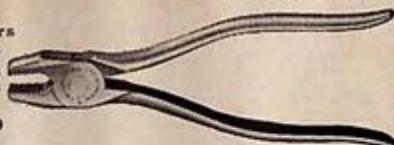
Grip like pipe wrench; head set at 45° angle, for close quarters. Adjustable joint.

No. 107—7". Each.....\$2.00

Special Battery Pliers

Designed expressly for battery installation work. Grips the nuts perfectly.

No. 7—7". Ea. \$1.50



Vacuum Grip Pliers—Cont'd



Heavy Duty Needle Nose Pliers

Spring tempered.
Powerful pliers for
garage mechanics.
No. 197—7". With
Wire Cutter. Ea. 2.50

Needle Nose Pliers
Spring tempered, ex-
tremely durable.
No. 96—6". Without
Wire Cutter. Ea. \$1.50
No. 196—6". With
Wire Cutter. Ea. \$1.85



Special Valve Pin Pliers

Matched grooves in
jaw for tight-grip on
valve pin; also cross
milled groove.
No. 597—7". Ea. 2.50



**Bent Needle Nose
Pliers**

Extra long reach,
with a $22\frac{1}{2}^\circ$ angle.
No. 497—7". Ea. 2.25



Lineman Pliers

Powerfully built for
gripping, twisting,
hammering and cut-
ting.



No. 56—6". Each.....\$2.25
No. 57—7". Each.....2.75

Heavy Duty Diagonal Cutters, Fashioned Handles

Powerful cutting nip-
per. No. 87 for cot-
ter pin work and
other tough cutting
jobs.

No. 86—6". Ea. 2.00
No. 87—7". Ea. 2.50



Diagonal Cutters

Bow handle, heavy
duty pattern.
No. 386—6".
Each.....\$1.65



End Cutters

A very efficient tool
for many cutting op-
erations.
No. 17—7". Ea. 1.90



Brake Pliers

For easy work on
knurled brake ad-
justing nuts.
No. 14—6 $\frac{1}{4}$ ".
Each.....\$1.50



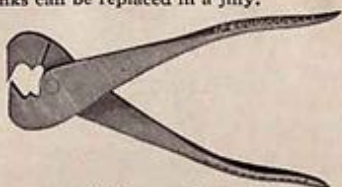
Built to the Highest and Closest Standards

New Chain Plier

HERE is the handiest tool you ever saw for repairing tire chains. Broken cross links can be replaced in a jiffy.



Spreading link



Closing link

To remove a broken section of chain simply insert the points of the jaws in link and give it a squeeze. Hook in your new section and clamp the link. The "V" notch in the opening of the plier grips the link so it can't slip as you press it together. No prying or fussing—easy to fix chain right on tire.

No. 16—Special Chain Plier, 8 1/4" long and, like all Vacuum Grip Pliers, it's a quality tool. Each.....\$1.60

Piston Ring Groove Cleaner

Equipped with a special cutter having four blades of different widths to cover a wide range of piston ring sizes. Easily adjusted so as to use any required blade. Self-centering in any piston ring groove.

No. 13 — Complete with cutter. Ea. \$2.50

No. 13-CW — Extra Cutter. Each... 50c

NOTE: As blades of the No. 13-CW Cut-

ter are liable to abuse, we cannot apply our standard guarantee to this part.



Blue Point Feeler Gauges

Blades of tested accuracy, finest imported ultra superior Swedish tempered steel. Gauges equipped with knurled nut permitting user to slide out the required blade and lock it in position, leaving other blades locked in handle.

No. 310—10-Blade Gauge, in thicknesses: .0015, .002, .003, .004, .005, .006, .008, .010, .015 and .018. As low in price as any 8-Blade Gauge of equal quality and size. Each.....\$1.00

Extra 3 1/2" Blades for above. Each... 12 1/2c

No. 908 Piston Fitting Gauge—8 blades, 1/2" wide, 9" long, in thicknesses: .002, .003, .004, .005, .006, .008, .010 and .015. Each.....\$1.85

Extra 9" Blades for No. 908 Gauge. Each......25



Blades 3 1/2" x 1/2"

1/2" wide, 9" long, in thicknesses: .002, .003, .004, .005, .006, .008, .010 and .015. Each.....\$1.85

Extra 9" Blades for No. 908 Gauge. Each......25

Feeler Gauge Stock In Ten-Foot Rolls

In round metal box. Meets rigid U. S. Government specifications.

No.	Stock	Roll	No.	Stock	Roll
R-1 1/2	.0015	\$2.80	R-4	.004	\$1.50
R-2	.002	2.10	R-5	.005	1.50
R-2 1/2	.0025	2.10	R-6	.006	1.50
R-3	.003	2.10	R-8	.008	1.50



12" Strips—Any thickness, .0015 to .060, width 1/2". Each....25c

NOTE: As importers of this stock direct from Sweden, we are able to furnish it to large users in 12" strips or in bulk.

Prices in any required thickness will be furnished upon request.

Tool Users Appreciate Our Specialized Service

Simonds Hack Saws

OUT-CUT and out-last any ordinary blades you can buy. Flexible back, with hard cutting edge. These styles are best adapted for your general run of work.



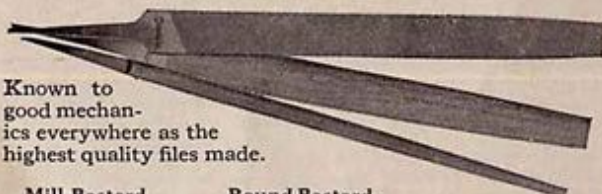
18 teeth to the inch, for cutting tool steel, iron pipe, hard metals and light angle iron.
32 teeth to the inch, for cutting thin tubes, sheet metals and the like.

No. 10 Assortment—10" blades, 12 coarse, and 12 fine. 24 blades.....\$1.70
No. 12 Assortment—12" blades, 12 coarse and 12 fine. 24 blades.....\$2.00



HS-1—A high grade hack saw frame with comfortable pistol grip, nickel plated finish. Each.....\$1.25

Simonds Files



Known to good mechanics everywhere as the highest quality files made.

Mill Bastard		Round Bastard		Half Round Bastard	
Length	Each	Length	Each	Length	Each
6"	30c	6"	30c	6"	50c
8"	35c	8"	35c	8"	60c
10"	45c	10"	45c	10"	75c
12"	60c	12"	60c		
14"	90c	14"	90c		

Tungsten Ignition Point File



Double cut tungsten file, the type preferred by most mechanics for filing ignition points.
6¼" long. Each.....15c

Tinners' Snips

No. 8-TS—High grade tinners' snips, with carefully hardened and tempered blades to hold a sharp cutting edge.
Pair.....\$1.00



Putty Knife



No. 1-PK—An excellent quality putty knife. Each.....35c

Our Tools Sell on Quality and Performance

Snap-On Mechanikit

Built Like a House for Strength



DESIGNED by an expert mechanic, built to give good mechanics the kind of a tool box they need and want. No other box of its size can compare with the Mechanikit for convenience, rugged strength and lasting qualities. Read these specifications and you will appreciate how practical and useful it will be to you.

Made of eighteen gauge sheet steel, spot welded, size 21"x10"x8½", corners heavily reinforced.

Heavy Yale Lock—Heavy End Catches

Lid gable shaped to give extra strength and extra room. Leather handle like a suitcase. Partitioned Tool Tray (No. KT-1) 3½" deep, with strong double tubing handle—a corking good tool carrier while you're at work. Weight complete, twenty pounds. Black enamel finish.

No. K-1 Mechanikit—Complete with KT-1 Tool Tray, worth a lot more to you than its price.

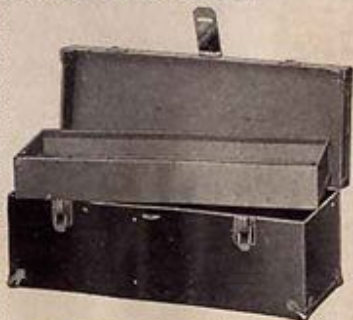
Each.....\$7.75
No. KT-1—Tool Tray
only. Each.....\$2.25



Showing K-1 Mechanikit closed. Note the heavy Yale lock and heavy end catches. The strongest box for its purpose ever built.

Mechanikit No. K-2

Here is a remarkably strong and serviceable tool box at a low price. We recommend it to the Junior mechanic and those who want a real box, but do not feel like investing in our regular K-1 Mechanikit. This box has features you will like—heavy black enameled sheet steel with corners reinforced, handy top tray, leather



handle, two suitcase fasteners, hasp and staple. Carefully finished throughout, spot welded and riveted to last. Inside measurements: Length 19", width 7", depth 7½". Each.....\$4.75

Wherever You Go You'll Find Snap-On Personal Service

Snap-On Roller Tool Bench

HOLDS mechanic's complete hand tool equipment—rolls right to the job on big, easy-running casters, serves your tools to you, speeds up your work, saves many trips to the work bench.



When working on an engine, the flat top acts as a work bench. When you're underneath a car lower tray holds the tools you need in easy reach. At night lock 'em all up in the roomy drawers. One big hasp locks all drawers.

When grinding valves use the handy, removable valve shelf which hangs on either side of bench. Prevents mixing up valves and insures getting them all back into original positions.

Heavy sheet steel and angle-iron construction. Drawers spot-welded. Shelves assembled to legs with bolts and nuts with lock washers. Black enamel finish.

Overall dimensions—
36½" high, 18½" wide and 24½" from front to back.

Drawers—Each with three compartments. Top drawer, 14½" wide, 20" long, 2½" deep. Middle drawer, 14½" wide, 22" long, 4½" deep. Bottom drawer 15½" wide, 24½" long, 7" deep.

No. K-7—Snap-On Roller Tool Bench, a sturdy, compact, efficient working unit and tool container. F.O.B. Chicago.....\$19.00

Snap-On Tool Chest

Designed for Your Work Bench



Roomy — sturdy — handy. Holds complete tool equipment of the average mechanic. Top section has three compartments, the larger being made so as to accommodate the KT-1 Tool Tray if desired. (See page 62.)

Bottom section has six drawers, of different widths and depths, to hold various kinds and sizes of tools. All drawers strongly supported and easy sliding.

Top lid has piano hinges, with corners protected by steel guides for accurate fit. Front or drop door slides under bottom drawers out of way during work.

The main body and larger compartments

of the chest are made of heavy, 20-gauge steel, all corners and edges reinforced, spot-welded throughout—the strongest and most durable construction possible. Equipped with heavy handles at the ends, suitcase style catches and strong hasp for padlocking. Finished in black enamel.

No. K-5—Size closed, 26"x14"x12". Weight 69 lbs. crated.
Net.....\$18.00
(West of the Rockies, \$22.00)

Note: No. KT-1 Tool Tray furnished additional, if desired.

Good Tools Deserve to Be Protected

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